

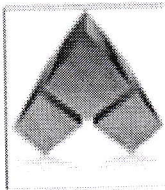
BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains of Sanjeevini Nagar Main road to Military Compound next to Sterling apartment to Kodigehalli main road in ward no 07

4th & PART BILL

MEASUREMENT BOOK



TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS

No.58 MIG, 6th Cross, 3rd Main

1st Stage, Basaveshwaranagar

Bangalore-560079

☎ 080 - 23287532

email: tejusconsultants@gmail.com

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).										
Name Of work : - Improvements to roads and drains of Sanjeevini Nagar Main road to Military Compound next to Sterling apartment to Kodigehalli main road in ward no 07										
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage				B1	B2	Avg width			
	Pre-Measurements Recorded on:-									
6	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)									
	B.S Drain	Sanjeevininagara								
	Holy Trinity Chaurch Road									
	LHS									
	0.00	35.00	L/S	1	35.00		1.80		63.00	5/10/20
		1 ft						Total Qty	63.00	Sq-m

c4 fe
CpD
5/10/20



Contractor



Consultant

Asst. Eng. N.D.
Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains of Sanjeevini Nagar Main road to Military Compound next to Sterling apartment to Kodigehalli main road in ward no 07

BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	
	Chainage				B1	B2	Avg width				
	Pre-Measurements Recorded on:-										
10	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&I WTD S.R 2016-17)										
	Holy Trinity Church Road		- Sayeevinagara								
	For Flagging Coarse										
	Aralemara Opposite side	}	2	15.00			0.20	0.10	0.60		
			2	15.00			0.20	0.10	0.60		
			2	5.00			0.20	0.10	0.20		
			2	10.00			0.20	0.10	0.40	26/12/20	
	For Kerb Bottom										
	Aralemara side	}	1	15.00			0.20	0.10	0.30		
			1	15.00			0.20	0.10	0.30		
			1	15.00			0.20	0.10	0.30		
			1	15.00			0.20	0.10	0.30		
			1	15.00			0.20	0.10	0.30		
			1	15.00			0.20	0.10	0.30		
			1	15.00			0.20	0.10	0.30		
			1	15.00			0.20	0.10	0.30		
			1	12.00			0.20	0.10	0.24		
	For Road Edge										
	Aralemara side		}	1	15.00			0.20	0.10	0.30	
				1	15.00			0.20	0.10	0.30	
		1		15.00			0.20	0.10	0.30		
		1		15.00			0.20	0.10	0.30		
		1		15.00			0.20	0.10	0.30		
		1		15.00			0.20	0.10	0.30		
		1		15.00			0.20	0.10	0.30		
		1		12.00			0.20	0.10	0.24		
	New Culvert		1	9.60			1.80	0.15	2.59	22/12/20	
							Total Qty	9.07	Cu-m		



Contractor



Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains of Sanjeevini Nagar Main road to Military Compound next to Sterling apartment to Kodigehalli main road in ward no 07

BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage				B1	B2	Avg width			
	Pre-Measurements Recorded on:-									
15	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not less than 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (P.No.12, I.No.5.27.2 of PW,P&I WTD S.R 2016-17)									
	For Flagging Coarse									
	Holy Trinity Chaurch Road (one-side)		1	15.00				0.40	6.00	✓
			1	15.00				0.40	6.00	✓
			1	5.00				0.40	2.00	✓
	(o-her-side)		1	15.00				0.20	3.00	✓
			1	15.00				0.20	3.00	✓
			1	5.00				0.20	1.00	✓
			2	10.00				0.60	12.00	26/12/20
								Total Qty	33.00	Sq-m



Amulya N.D.
Assistant Engineer

[Signature]
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).										
Name Of work : - Improvements to roads and drains of Sanjeevini Nagar Main road to Military Compound next to Sterling apartment to Kodigehalli main road in ward no 07										
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage				B1	B2	Avg width			
Pre-Measurements Recorded on:-										
16	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerdressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.143, I.No.5.6 of PW,P&IWTD S.R 2016-17)									
	New Culvert		2	9.60			0.60	0.60	6.91	21/12/20
							Total Qty		6.91	Cum



Contractor

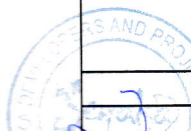


Consultant

M. N. D.
Assistant Engineer

C. P.
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Bruhat Bengaluru Mahanagara Palike												
Bytarayanapura Division												
Job Code :-												
Name of Agency :- Benaka Developers & Project Pvt.Ltd.												
Bill No :- 4th & Part Bill												
Package No.02 (Package consists of 14 works).												
Name Of work :- Improvements to roads and drains of Sanjeevini Nagar Main road to Military Compound next to Sterling apartment to Kodigehalli main road in ward no 07												
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage				B1	B2	Avg width					
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWD SR 2016-17)											
	Qty vide Pre measurement sheet page no. (1)								26.80			
	Present Qnty to be Paid								26.80	Cu-m	217.12	5,819.25
6	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWD SR 2016-17)											
	Qty vide Pre measurement sheet page no. (2)								63.00			
	Present Qnty to be Paid								63.00	Sq-m	86.20	5,430.60
	Measurement Recorded on											
7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWD SR 2016-17)											
	B.S Cover Slab											
	Holy Trinity Chaurch Road											
	LHS											
	0.00	35.00	L/S	1	35.00		0.90		31.50			
	Total Qty								31.50	Sq-m	712.28	22,436.82
10	KSRRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWD S.R 2016-17)											
	Qty vide Pre measurement sheet page no. (3)								9.07			
	Present Qnty to be Paid								9.07	Cu-m	5,723.17	51,920.60
15	KSRRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not less than 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (P.No.12, I.No.5.27.2 of PW,P&IWD S.R 2016-17)											
	Qty vide Pre measurement sheet page no. (4)								33.00			
	Present Qnty to be Paid								33.00	Sq-m	942.52	31,103.16



Contractor

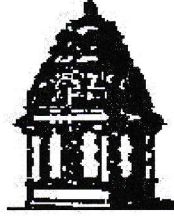
Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BEMP, Bangalore

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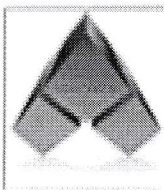
**BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION**

Package No.02 (Package consists of 14 works).

**Name of Work:- Improvements to roads and drains
Amruthanagara A sector and D Munishamappa
Layout in ward no 07.Byataryanapura**

4th & PART BILL

MEASUREMENT BOOK



**TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS**

No.58 MIG, 6th Cross, 3rd Main

1st Stage, Basaveshwaranagar

Bangalore-560079

☎ 080 - 23287532

email: tejusconsultants@gmail.com

Bruhat Bengaluru Mahanagara Palike										
Bytarayanapura Division										
Job Code :-										
Name of Agency :- Benaka Developers & Project Pvt.Ltd.										
Bill No :- 4th & Part Bill										
Package No.02 (Package consists of 14 works).										
Name of Work:- Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura										
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage				B1	B2	Avg width			
Pre-Measurements Recorded on:-										
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWD SR 2016-17)									
	Desilt									
	3rd Main Road [High tension road]									
	Amruthahalli Police Station Back Side									
	LHS									
	0.00	15.00	L/S	1	15.00		0.50	0.50	3.75	
	15.00	30.00	L/S	1	15.00		0.50	0.50	3.75	
	30.00	45.00	L/S	1	15.00		0.50	0.50	3.75	
	45.00	60.00	L/S	1	15.00		0.50	0.50	3.75	
	60.00	75.00	L/S	1	15.00		0.50	0.50	3.75	
	75.00	90.00	L/S	1	15.00		0.50	0.50	3.75	
	90.00	105.00	L/S	1	15.00		0.50	0.50	3.75	
	105.00	120.00	L/S	1	15.00		0.50	0.50	3.75	
	120.00	135.00	L/S	1	15.00		0.50	0.50	3.75	
	135.00	150.00	L/S	1	15.00		0.50	0.50	3.75	
	150.00	165.00	L/S	1	15.00		0.50	0.50	3.75	
	165.00	180.00	L/S	1	15.00		0.50	0.50	3.75	
	180.00	195.00	L/S	1	15.00		0.50	0.50	3.75	
	195.00	210.00	L/S	1	15.00		0.50	0.50	3.75	
	210.00	225.00	L/S	1	15.00		0.50	0.50	3.75	
	225.00	240.00	L/S	1	15.00		0.50	0.50	3.75	
	240.00	255.00	L/S	1	15.00		0.50	0.50	3.75	
	255.00	270.00	L/S	1	15.00		0.50	0.50	3.75	
	270.00	285.00	L/S	1	15.00		0.50	0.50	3.75	
	285.00	300.00	L/S	1	15.00		0.50	0.50	3.75	
	300.00	315.00	L/S	1	15.00		0.50	0.50	3.75	
	315.00	330.00	L/S	1	15.00		0.50	0.50	3.75	
	330.00	345.00	L/S	1	15.00		0.50	0.50	3.75	
	345.00	360.00	L/S	1	15.00		0.50	0.50	3.75	
	360.00	375.00	L/S	1	15.00		0.50	0.50	3.75	
	375.00	390.00	L/S	1	15.00		0.50	0.50	3.75	03/12/2020.
	RHS									
	0.00	15.00	R/S	1	15.00		0.50	0.50	3.75	



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	15.00	30.00	R/S	1	15.00			0.50	0.50	3.75	
	30.00	45.00	R/S	1	15.00			0.50	0.50	3.75	
	45.00	60.00	R/S	1	15.00			0.50	0.50	3.75	
	60.00	75.00	R/S	1	15.00			0.50	0.50	3.75	
	75.00	90.00	R/S	1	15.00			0.50	0.50	3.75	
	90.00	105.00	R/S	1	15.00			0.50	0.50	3.75	
	105.00	120.00	R/S	1	15.00			0.50	0.50	3.75	
	120.00	135.00	R/S	1	15.00			0.50	0.50	3.75	
	135.00	150.00	R/S	1	15.00			0.50	0.50	3.75	
	150.00	165.00	R/S	1	15.00			0.50	0.50	3.75	
	165.00	180.00	R/S	1	15.00			0.50	0.50	3.75	
	180.00	195.00	R/S	1	15.00			0.50	0.50	3.75	
	195.00	210.00	R/S	1	15.00			0.50	0.50	3.75	
	210.00	225.00	R/S	1	15.00			0.50	0.50	3.75	
	225.00	240.00	R/S	1	15.00			0.50	0.50	3.75	
	240.00	255.00	R/S	1	15.00			0.50	0.50	3.75	
	255.00	270.00	R/S	1	15.00			0.50	0.50	3.75	
	270.00	285.00	R/S	1	15.00			0.50	0.50	3.75	
	285.00	300.00	R/S	1	15.00			0.50	0.50	3.75	
	300.00	315.00	R/S	1	15.00			0.50	0.50	3.75	
	315.00	330.00	R/S	1	15.00			0.50	0.50	3.75	
	330.00	345.00	R/S	1	15.00			0.50	0.50	3.75	
	345.00	360.00	R/S	1	15.00			0.50	0.50	3.75	
	360.00	375.00	R/S	1	15.00			0.50	0.50	3.75	
	375.00	390.00	R/S	1	15.00			0.50	0.50	3.75	
	390.00	405.00	R/S	1	15.00			0.50	0.50	3.75	
	405.00	413.00	R/S	1	8.00			0.50	0.50	2.00	
	Over Burdan Earth			1	30.00			1.00	0.75	22.50	
				1	20.00			1.50	1.00	30.00	
				1	15.00			1.00	0.85	12.75	
				1	8.00			0.80	1.20	7.68	
				</							



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

288.90

Contractor

Consultant

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BEMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	255.00	270.00	R/S	1	8.00			0.90		7.20	
	345.00	360.00	R/S	1	8.00			0.90		7.20	
	360.00	375.00	R/S	1	9.00			0.90		8.10	
	390.00	405.00	R/S	1	5.00			0.90		4.50	
									Total Qty	315.90	Sq-m



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Consultant

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name of Work:- Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&I WTD S.R 2016-17)										
	Amruthahalli Police Staion Back side										
	1st Main Road (0-430)										
	0.00	15.00		1	15.00	9.50	9.50	9.50	0.30	42.75	✓
	15.00	30.00		1	15.00	9.50	9.10	9.30	0.30	41.85	✓
	30.00	37.00		1	7.00	9.10	9.10	9.10	0.30	19.11	✓
	37.00	52.00		1	15.00	9.10	9.45	9.28	0.30	41.74	✓
	52.00	57.50		1	5.50	9.45	9.45	9.45	0.30	15.59	✓
	57.50	75.00		1	17.50	9.45	11.00	10.23	0.30	53.68	✓
	75.00	91.00		1	16.00	11.00	12.00	11.50	0.30	55.20	✓
	91.00	106.00		1	15.00	12.00	10.00	11.00	0.30	49.50	✓
	106.00	118.00		1	12.00	10.00	10.00	10.00	0.30	36.00	✓
	118.00	133.00		1	15.00	10.00	9.60	9.80	0.30	44.10	✓
	133.00	148.00		1	15.00	9.60	9.60	9.60	0.30	43.20	✓
	148.00	163.00		1	15.00	9.60	10.70	10.15	0.30	45.68	✓
	163.00	175.00		1	12.00	10.70	11.00	10.85	0.30	39.06	✓
	175.00	191.60		1	16.60	11.00	11.00	11.00	0.30	54.78	✓
	191.60	206.60		1	15.00	11.00	9.90	10.45	0.30	47.03	✓
	206.60	214.00		1	7.40	9.90	9.90	9.90	0.30	21.98	✓
	214.00	229.00		1	15.00	9.90	10.00	9.95	0.30	44.78	✓
	229.00	244.00		1	15.00	10.00	10.00	10.00	0.30	45.00	✓
	244.00	253.00		1	9.00	10.00	8.30	9.15	0.30	24.71	✓
	253.00	268.00		1	15.00	8.30	7.00	7.65	0.30	34.43	✓
	268.00	279.00		1	11.00	7.00	7.00	7.00	0.30	23.10	✓
	279.00	294.00		1	15.00	7.00	7.50	7.25	0.30	32.63	✓
	294.00	310.00		1	16.00	7.50	7.50	7.50	0.30	36.00	✓
	310.00	325.00		1	15.00	7.50	7.50	7.50	0.30	33.75	✓
	325.00	335.00		1	10.00	7.50	7.50	7.50	0.30	22.50	✓
	335.00	346.00		1	11.00	7.50	7.00	7.25	0.30	23.93	✓
	346.00	357.00		1	11.00	7.00	7.00	7.00	0.30	23.10	✓
	357.00	372.00		1	15.00	7.00	7.00	7.00	0.30	31.50	✓
	372.00	380.00		1	8.00	7.00	7.00	7.00	0.30	16.80	✓
	380.00	395.00		1	15.00	7.00	7.50	7.25	0.30	32.63	✓
	395.00	412.00		1	17.00	7.50	7.50	7.50	0.30	38.25	✓
	412.00	424.00		1	12.00	7.50	7.80	7.65	0.30	27.54	✓
	424.00	426.00		1	2.00	7.80	8.30	8.05	0.30	4.83	✓ 30/09
		</									

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name of Work:- Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Amruthahalli Police Staion Back side										
	1st Main Road (0-430)										
	0.00	15.00		1	15.00	9.50	9.50	9.50	0.23	32.78	
	15.00	30.00		1	15.00	9.50	9.10	9.30	0.23	32.09	
	30.00	37.00		1	7.00	9.10	9.10	9.10	0.23	14.65	
	37.00	52.00		1	15.00	9.10	9.45	9.28	0.23	32.00	
	52.00	57.50		1	5.50	9.45	9.45	9.45	0.23	11.95	
	57.50	75.00		1	17.50	9.45	11.00	10.23	0.23	41.16	
	75.00	91.00		1	16.00	11.00	12.00	11.50	0.23	42.32	
	91.00	106.00		1	15.00	12.00	10.00	11.00	0.23	37.95	
fc	106.00	118.00		1	12.00	10.00	10.00	10.00	0.23	27.60	
	118.00	133.00		1	15.00	10.00	9.60	9.80	0.23	33.81	
	133.00	148.00		1	15.00	9.60	9.60	9.60	0.23	33.12	
	148.00	163.00		1	15.00	9.60	10.70	10.15	0.23	35.02	
31/12/20	163.00	175.00		1	12.00	10.70	11.00	10.85	0.23	29.95	
	175.00	191.60		1	16.60	11.00	11.00	11.00	0.23	42.00	
	191.60	206.60		1	15.00	11.00	9.90	10.45	0.23	36.05	
	206.60	214.00		1	7.40	9.90	9.90	9.90	0.23	16.85	
	214.00	229.00		1	15.00	9.90	10.00	9.95	0.23	34.33	
	229.00	244.00		1	15.00	10.00	10.00	10.00	0.23	34.50	
	244.00	253.00		1	9.00	10.00	8.30	9.15	0.23	18.94	
	253.00	268.00		1	15.00	8.30	7.00	7.65	0.23	26.39	
	268.00	279.00		1	11.00	7.00	7.00	7.00	0.23	17.71	
	279.00	294.00		1	15.00	7.00	7.50	7.25	0.23	25.01	
	294.00	310.00		1	16.00	7.50	7.50	7.50	0.23	27.60	
	310.00	325.00		1	15.00	7.50	7.50	7.50	0.23	25.88	
	325.00	335.00		1	10.00	7.50	7.50	7.50	0.23	17.25	
	335.00	346.00		1	11.00	7.50	7.00	7.25	0.23	18.34	
	346.00	357.00		1	11.00	7.00	7.00	7.00	0.23	17.71	
	357.00	372.00		1	15.00	7.00	7.00	7.00	0.23	24.15	
	372.00	380.00		1	8.00	7.00	7.00	7.00	0.23	12.88	
	380.00	395.00		1	15.00	7.00	7.50	7.25	0.23	25.01	
	395.00	412.00		1	17.00	7.50	7.50	7.50	0.23	29.33	
	412.00	424.00		1	12.00	7.50	7.80	7.65	0.23	21.11	
	424.00	426.00		1	2.00	7.80	8.30	8.05	0.23	3.70	31/12/20
									Total Qty	879.13	Cum

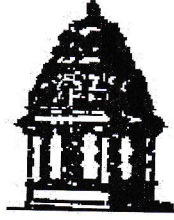
Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore


Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore



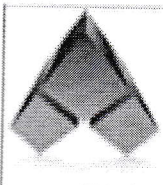
BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains
from 18th Cross to JNC Circle(Left Hand Side and
Right Hand Side Roads from Renuka Yellamma
Temple Road to JNC Circle) in Ward
No.7,Byatarayanapura

4th & PART BILL

MEASUREMENT BOOK



TEJUS CONSULTANTS

CONSULTING ENGINEERS AND DESIGNERS

No.58 MIG, 6th Cross, 3rd Main

1st Stage, Basaveshwaranagar

Bangalore -560079

☎ 080 - 23287532

email: tejusconsultants@gmail.com

Bruhat Bengaluru Mahanagara Palike											
Byatarayanapura Division											
Job Code :-											
Name of Agency :- Benaka Developers & Project Pvt.Ltd.											
Bill No :- 4th & Part Bill											
Package No.02 (Package consists of 14 works).											
Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura											
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	
	Chainage				B1	B2	Avg width				
Pre-Measurements Recorded on											
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&I/WT S.R 2016-17)										
ORTUR Apartment Road											
LHS											
	0.00	15.00	L/S	1	15.00	0.84	0.65	0.75	0.30	3.35	
	15.00	30.00	L/S	1	15.00	0.65	1.05	0.85	0.30	3.83	
	30.00	45.00	L/S	1	15.00	1.05	1.30	1.18	0.30	5.29	
	45.00	60.00	L/S	1	15.00	1.30	0.85	1.08	0.30	4.84	
	60.00	75.00	L/S	1	15.00	0.85	0.75	0.80	0.30	3.60	
	75.00	90.00	L/S	1	15.00	0.75	2.60	1.68	0.30	7.54	
	90.00	105.00	L/S	1	15.00	2.60	3.45	3.03	0.30	13.61	
	105.00	120.00	L/S	1	15.00	3.45	3.60	3.53	0.30	15.86	
	120.00	135.00	L/S	1	15.00	3.60	3.50	3.55	0.30	15.98	
	135.00	150.00	L/S	1	15.00	3.50	3.00	3.25	0.30	14.63	
	150.00	165.00	L/S	1	15.00	3.00	3.40	3.20	0.30	14.40	
	165.00	180.00	L/S	1	15.00	3.40	3.70	3.55	0.30	15.98	
	180.00	195.00	L/S	1	15.00	3.70	2.90	3.30	0.30	14.85	
	195.00	210.00	L/S	1	15.00	2.90	2.50	2.70	0.30	12.15	
	210.00	225.00	L/S	1	15.00	2.50	2.40	2.45	0.30	11.03	
	225.00	240.00	L/S	1	15.00	2.40	4.30	3.35	0.30	15.08	
	240.00	255.00	L/S	1	15.00	4.30	3.50	3.90	0.30	17.55	
	255.00	270.00	L/S	1	15.00	3.50	2.50	3.00	0.30	13.50	
	270.00	285.00	L/S	1	15.00	2.50	2.20	2.35	0.30	10.58	
	285.00	300.00	L/S	1	15.00	2.20	1.80	2.00	0.30	9.00	
	300.00	315.00	L/S	1	15.00	1.80	1.20	1.50	0.30	6.75	
	315.00	330.00	L/S	1	15.00	1.20	1.10	1.15	0.30	5.18	
	330.00	345.00	L/S	1	15.00	1.10	2.00	1.55	0.30	6.98	
	345.00	360.00	L/S	1	15.00	2.00	1.60	1.80	0.30	8.10	
	360.00	375.00	L/S	1	15.00	1.60	1.40	1.50	0.30	6.75	
	375.00	390.00	L/S	1	15.00	1.40	1.40	1.40	0.30	6.30	
	390.00	405.00	L/S	1	15.00	1.40	1.70	1.55	0.30	6.98	
	405.00	420.00	L/S	1	15.00	1.70	1.60	1.65	0.30	7.43	
	420.00	435.00	L/S	1	15.00	1.60	1.50	1.55	0.30	6.98	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Kodigehalli Sub Div

BBMP, Bangalore

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

No.7,Dyaulayankapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on										
	435.00	450.00	L/S	1	15.00	1.50	1.00	1.25	0.30	5.63	✓
	450.00	465.00	L/S	1	15.00	1.00	1.50	1.25	0.30	5.63	✓
	465.00	480.00	L/S	1	15.00	1.50	1.40	1.45	0.30	6.53	✓
	480.00	495.00	L/S	1	15.00	1.40	1.40	1.40	0.30	6.30	✓
	495.00	510.00	L/S	1	15.00	1.40	1.60	1.50	0.30	6.75	✓
	510.00	525.00	L/S	1	15.00	1.60	1.50	1.55	0.30	6.98	✓
	525.00	540.00	L/S	1	15.00	1.50	1.20	1.35	0.30	6.08	✓
	540.00	555.00	L/S	1	15.00	1.20	2.10	1.65	0.30	7.43	✓
	555.00	570.00	L/S	1	15.00	2.10	2.20	2.15	0.30	9.68	✓
	570.00	585.00	L/S	1	15.00	2.20	2.70	2.45	0.30	11.03	✓
	585.00	595.00	L/S	1	10.00	2.70	2.70	2.70	0.30	8.10	✓
	595.00	610.00	L/S	1	15.00	2.70	2.00	2.35	0.30	10.58	✓
	610.00	628.00	L/S	1	18.00	2.00	0.35	1.18	0.30	6.35	✓
	RHS										23/10
	0.00	15.00	R/S	1	15.00	0.60	0.50	0.55	0.30	2.48	✓
	15.00	30.00	R/S	1	15.00	0.50	1.00	0.75	0.30	3.38	✓
	30.00	45.00	R/S	1	15.00	1.00	1.05	1.03	0.30	4.61	✓
	45.00	60.00	R/S	1	15.00	1.05	2.30	1.68	0.30	7.54	✓
	60.00	75.00	R/S	1	15.00	2.30	2.40	2.35	0.30	10.58	✓
	75.00	90.00	R/S	1	15.00	2.40	2.40	2.40	0.30	10.80	✓
	90.00	105.00	R/S	1	15.00	2.40	2.40	2.40	0.30	10.80	✓
	105.00	120.00	R/S	1	15.00	2.40	2.50	2.45	0.30	11.03	✓
	120.00	135.00	R/S	1	15.00	2.50	2.20	2.35	0.30	10.58	✓
	135.00	150.00	R/S	1	15.00	2.20	1.30	1.75	0.30	7.88	✓
	150.00	165.00	R/S	1	15.00	1.30	1.20	1.25	0.30	5.63	✓
	165.00	180.00	R/S	1	15.00	1.20	1.10	1.15	0.30	5.18	✓
	180.00	195.00	R/S	1	15.00	1.10	1.00	1.05	0.30	4.73	✓
	195.00	210.00	R/S	1	15.00	1.00	1.20	1.10	0.30	4.95	✓
	210.00	225.00	R/S	1	15.00	1.20	1.40	1.30	0.30	5.85	✓
	225.00	240.00	R/S	1	15.00	1.40	1.10	1.25	0.30	5.63	✓
	240.00	255.00	R/S	1	15.00	1.10	1.10	1.10	0.30	4.95	✓
	255.00	270.00	R/S	1	15.00	1.10	1.30	1.20	0.30	5.40	✓
	270.00	285.00	R/S	1	15.00	1.30	1.00	1.15	0.30	5.18	✓
	285.00	300.00	R/S	1	15.00	1.00	1.20	1.10	0.30	4.95	✓
	300.00	315.00	R/S	1	15.00	1.20	1.20	1.20	0.30	5.40	✓
	315.00	330.00	R/S	1	15.00	1.20	1.40	1.30	0.30	5.85	✓
	330.00	345.00	R/S	1	15.00	1.40	1.70	1.55	0.30	6.98	✓
	345.00	360.00	R/S	1	15.00	1.70	1.70	1.70	0.30	7.65	✓
	360.00	375.00	R/S	1	15.00	1.70	1.30	1.50	0.30	6.75	✓
	375.00	390.00	R/S	1	15.00	1.30	1.50	1.40	0.30	6.30	✓
	390.00	405.00	R/S	1	15.00	1.50	0.90	1.20	0.30	5.40	✓
	405.00	420.00	R/S	1	15.00	0.90	1.40	1.15	0.30	5.18	✓
	420.00	435.00	R/S	1	15.00	1.40	1.70	1.55	0.30	6.98	✓

Contractor

Consultant

Assistant Engineer

285.57
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on										
	435.00	450.00	R/S	1	15.00	1.70	1.50	1.60	0.30	7.20	✓
	450.00	465.00	R/S	1	15.00	1.50	1.80	1.65	0.30	7.43	✓
	465.00	480.00	R/S	1	15.00	1.80	1.60	1.70	0.30	7.65	✓
	480.00	495.00	R/S	1	15.00	1.60	1.90	1.75	0.30	7.88	✓
	495.00	510.00	R/S	1	15.00	1.90	1.80	1.85	0.30	8.33	✓
	510.00	525.00	R/S	1	15.00	1.80	2.00	1.90	0.30	8.55	✓
	525.00	540.00	R/S	1	15.00	2.00	2.80	2.40	0.30	10.80	✓
	540.00	555.00	R/S	1	15.00	2.80	2.60	2.70	0.30	12.15	✓
	555.00	570.00	R/S	1	15.00	2.60	2.80	2.70	0.30	12.15	✓
	570.00	585.00	R/S	1	15.00	2.80	2.90	2.85	0.30	12.83	✓
	585.00	595.00	R/S	1	10.00	2.90	3.10	3.00	0.30	9.00	✓
	595.00	610.00	R/S	1	15.00	3.10	2.50	2.80	0.30	12.60	✓
	610.00	628.00	R/S	1	18.00	2.50	0.30	1.40	0.30	7.56	24/9/20
	Approachs										
				1	6.00			1.35	0.30	2.43	✓
				1	2.20			2.70	0.30	1.78	✓
				1	5.50			1.80	0.30	2.97	✓
				1	8.10			1.90	0.30	4.62	✓
				1	3.80			1.80	0.30	2.05	✓
				1	3.90			1.30	0.30	1.52	✓
				1	3.50			5.00	0.30	5.25	✓
				1	2.10			3.30	0.30	2.08	✓
				1	6.70			0.45	0.30	0.90	✓
	Viensa Lake View Appatament Parrallel Road										
	0.00	15.00		1	15.00	8.10	7.80	7.95	0.30	35.78	✓
	15.00	30.00		1	15.00	7.80	7.60	7.70	0.30	34.65	✓
	30.00	45.00		1	15.00	7.60	8.00	7.80	0.30	35.10	✓
	45.00	54.50		1	9.50	8.00	4.90	6.45	0.30	18.39	24.63
								Total Qty		841.24	Cum

Contractor



Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on										
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&I WTD SR 2016-17)										
	ORTUR Apartment Road										
	LHS										
	0.00	15.00	L/S	1	15.00	0.84	0.65	0.75	0.23	2.57	
	15.00	30.00	L/S	1	15.00	0.65	1.05	0.85	0.23	2.93	
	30.00	45.00	L/S	1	15.00	1.05	1.30	1.18	0.23	4.05	
	45.00	60.00	L/S	1	15.00	1.30	0.85	1.08	0.23	3.71	
	60.00	75.00	L/S	1	15.00	0.85	0.75	0.80	0.23	2.76	
	75.00	90.00	L/S	1	15.00	0.75	2.60	1.68	0.23	5.78	
	90.00	105.00	L/S	1	15.00	2.60	3.45	3.03	0.23	10.44	
	105.00	120.00	L/S	1	15.00	3.45	3.60	3.53	0.23	12.16	
	120.00	135.00	L/S	1	15.00	3.60	3.50	3.55	0.23	12.25	
	135.00	150.00	L/S	1	15.00	3.50	3.00	3.25	0.23	11.21	
	150.00	165.00	L/S	1	15.00	3.00	3.40	3.20	0.23	11.04	
	165.00	180.00	L/S	1	15.00	3.40	3.70	3.55	0.23	12.25	
	180.00	195.00	L/S	1	15.00	3.70	2.90	3.30	0.23	11.39	
	195.00	210.00	L/S	1	15.00	2.90	2.50	2.70	0.23	9.32	
	210.00	225.00	L/S	1	15.00	2.50	2.40	2.45	0.23	8.45	
	225.00	240.00	L/S	1	15.00	2.40	4.30	3.35	0.23	11.56	
	240.00	255.00	L/S	1	15.00	4.30	3.50	3.90	0.23	13.46	
	255.00	270.00	L/S	1	15.00	3.50	2.50	3.00	0.23	10.35	
	270.00	285.00	L/S	1	15.00	2.50	2.20	2.35	0.23	8.11	
	285.00	300.00	L/S	1	15.00	2.20	1.80	2.00	0.23	6.90	
	300.00	315.00	L/S	1	15.00	1.80	1.20	1.50	0.23	5.18	
	315.00	330.00	L/S	1	15.00	1.20	1.10	1.15	0.23	3.97	
	330.00	345.00	L/S	1	15.00	1.10	2.00	1.55	0.23	5.35	
	345.00	360.00	L/S	1	15.00	2.00	1.60	1.80	0.23	6.21	
	360.00	375.00	L/S	1	15.00	1.60	1.40	1.50	0.23	5.18	
	375.00	390.00	L/S	1	15.00	1.40	1.40	1.40	0.23	4.83	
	390.00	405.00	L/S	1	15.00	1.40	1.70	1.55	0.23	5.35	
	405.00	420.00	L/S	1	15.00	1.70	1.60	1.65	0.23	5.69	
	420.00	435.00	L/S	1	15.00	1.60	1.50	1.55	0.23	5.35	
	435.00	450.00	L/S	1	15.00	1.50	1.00	1.25	0.23	4.31	
	450.00	465.00	L/S	1	15.00	1.00	1.50	1.25	0.23	4.31	
	465.00	480.00	L/S	1	15.00	1.50	1.40	1.45	0.23	5.00	
	480.00	495.00	L/S	1	15.00	1.40	1.40	1.40	0.23	4.83	
	495.00	510.00	L/S	1	15.00	1.40	1.60	1.50	0.23	5.18	
	510.00	525.00	L/S	1	15.00	1.60	1.50	1.55	0.23	5.35	

Contractor

Consultant

Assistant Engineer

246.74
Assistant Executive Engineer
Assistant Executive Eng
Kodigehalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on										
4 ft C/S 25/9/20	525.00	540.00	L/S	1	15.00	1.50	1.20	1.35	0.23	4.66	✓
	540.00	555.00	L/S	1	15.00	1.20	2.10	1.65	0.23	5.69	✓
	555.00	570.00	L/S	1	15.00	2.10	2.20	2.15	0.23	7.42	✓
	570.00	585.00	L/S	1	15.00	2.20	2.70	2.45	0.23	8.45	✓
	585.00	595.00	L/S	1	10.00	2.70	2.70	2.70	0.23	6.21	✓
	595.00	610.00	L/S	1	15.00	2.70	2.00	2.35	0.23	8.11	✓
	610.00	628.00	L/S	1	18.00	2.00	0.35	1.18	0.23	4.86	25/9/20
	RHS										
4 ft C/S 25/9/20	0.00	15.00	R/S	1	15.00	0.60	0.50	0.55	0.23	1.90	✓
	15.00	30.00	R/S	1	15.00	0.50	1.00	0.75	0.23	2.59	✓
	30.00	45.00	R/S	1	15.00	1.00	1.05	1.03	0.23	3.54	✓
	45.00	60.00	R/S	1	15.00	1.05	2.30	1.68	0.23	5.78	✓
	60.00	75.00	R/S	1	15.00	2.30	2.40	2.35	0.23	8.11	✓
	75.00	90.00	R/S	1	15.00	2.40	2.40	2.40	0.23	8.28	✓
	90.00	105.00	R/S	1	15.00	2.40	2.40	2.40	0.23	8.28	✓
	105.00	120.00	R/S	1	15.00	2.40	2.50	2.45	0.23	8.45	✓
	120.00	135.00	R/S	1	15.00	2.50	2.20	2.35	0.23	8.11	✓
	135.00	150.00	R/S	1	15.00	2.20	1.30	1.75	0.23	6.04	✓
	150.00	165.00	R/S	1	15.00	1.30	1.20	1.25	0.23	4.31	✓
	165.00	180.00	R/S	1	15.00	1.20	1.10	1.15	0.23	3.97	✓
	180.00	195.00	R/S	1	15.00	1.10	1.00	1.05	0.23	3.62	✓
	195.00	210.00	R/S	1	15.00	1.00	1.20	1.10	0.23	3.80	✓
	210.00	225.00	R/S	1	15.00	1.20	1.40	1.30	0.23	4.49	✓
	225.00	240.00	R/S	1	15.00	1.40	1.10	1.25	0.23	4.31	✓
	240.00	255.00	R/S	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
	255.00	270.00	R/S	1	15.00	1.10	1.30	1.20	0.23	4.14	✓
	270.00	285.00	R/S	1	15.00	1.30	1.00	1.15	0.23	3.97	✓
	285.00	300.00	R/S	1	15.00	1.00	1.20	1.10	0.23	3.80	✓
300.00	315.00	R/S	1	15.00	1.20	1.20	1.20	0.23	4.14	✓	
315.00	330.00	R/S	1	15.00	1.20	1.40	1.30	0.23	4.49	✓	
330.00	345.00	R/S	1	15.00	1.40	1.70	1.55	0.23	5.35	✓	
345.00	360.00	R/S	1	15.00	1.70	1.70	1.70	0.23	5.87	✓	
360.00	375.00	R/S	1	15.00	1.70	1.30	1.50	0.23	5.18	✓	
375.00	390.00	R/S	1	15.00	1.30	1.50	1.40	0.23	4.83	✓	
390.00	405.00	R/S	1	15.00	1.50	0.90	1.20	0.23	4.14	✓	
405.00	420.00	R/S	1	15.00	0.90	1.40	1.15	0.23	3.97	✓	
420.00	435.00	R/S	1	15.00	1.40	1.70	1.55	0.23	5.35	✓	
435.00	450.00	R/S	1	15.00	1.70	1.50	1.60	0.23	5.52	✓	
450.00	465.00	R/S	1	15.00	1.50	1.80	1.65	0.23	5.69	✓	
465.00	480.00	R/S	1	15.00	1.80	1.60	1.70	0.23	5.87	✓	
480.00	495.00	R/S	1	15.00	1.60	1.90	1.75	0.23	6.04	✓	
495.00	510.00	R/S	1	15.00	1.90	1.80	1.85	0.23	6.38	✓	
510.00	525.00	R/S	1	15.00	1.80	2.00	1.90	0.23	6.56	✓	

Contractor

Consultant

Assistant Engineer

226.01
Assistant Executive Engineer
Kodigenahalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on										
	525.00	540.00	R/S	1	15.00	2.00	2.80	2.40	0.23	8.28	✓
	540.00	555.00	R/S	1	15.00	2.80	2.60	2.70	0.23	9.32	✓
	555.00	570.00	R/S	1	15.00	2.60	2.80	2.70	0.23	9.32	✓
	570.00	585.00	R/S	1	15.00	2.80	2.90	2.85	0.23	9.83	✓
	585.00	595.00	R/S	1	10.00	2.90	3.10	3.00	0.23	6.90	✓
	595.00	610.00	R/S	1	15.00	3.10	2.50	2.80	0.23	9.66	✓
	610.00	628.00	R/S	1	18.00	2.50	0.30	1.40	0.23	5.80	26/9/20
	Approachs										
				1	6.00			1.35	0.23	1.86	✓
				1	2.20			2.70	0.23	1.37	✓
				1	5.50			1.80	0.23	2.28	✓
				1	8.10			1.90	0.23	3.54	✓
				1	3.80			1.80	0.23	1.57	✓
				1	3.90			1.30	0.23	1.17	✓
				1	3.50			5.00	0.23	4.03	✓
				1	2.10			3.30	0.23	1.59	✓
				1	6.70			0.45	0.23	0.69	✓
	Viensa Lake View Appatament Parrallel Road										
	0.00	15.00		1	15.00	8.10	7.80	7.95	0.23	27.43	✓
	15.00	30.00		1	15.00	7.80	7.60	7.70	0.23	26.57	✓
	30.00	45.00		1	15.00	7.60	8.00	7.80	0.23	26.91	✓
	45.00	54.50		1	9.50	8.00	4.90	6.45	0.23	14.10	26/9/20
										132.19	
									Total Qty	644.95	Cum

Contractor



Consultant

Assistant Engineer

Assistant Executive Engineer
 Assistant Executive Engineer
 Kodigenalli Sub Division
 BBMP, Bangalore

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

No.7, Byatalayanaipura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on										
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&I WTD SR 2016-17)										
	ORTUR Apartment Road										
	LHS										
	0.00	15.00	L/S	1	15.00	0.84	0.65	0.75		11.18	
	15.00	30.00	L/S	1	15.00	0.65	1.05	0.85		12.75	
	30.00	45.00	L/S	1	15.00	1.05	1.30	1.18		17.63	
	45.00	60.00	L/S	1	15.00	1.30	0.85	1.08		16.13	
	60.00	75.00	L/S	1	15.00	0.85	0.75	0.80		12.00	
	75.00	90.00	L/S	1	15.00	0.75	2.60	1.68		25.13	
	90.00	105.00	L/S	1	15.00	2.60	3.45	3.03		45.38	
	105.00	120.00	L/S	1	15.00	3.45	3.60	3.53		52.88	
	120.00	135.00	L/S	1	15.00	3.60	3.50	3.55		53.25	
	135.00	150.00	L/S	1	15.00	3.50	3.00	3.25		48.75	
	150.00	165.00	L/S	1	15.00	3.00	3.40	3.20		48.00	
	165.00	180.00	L/S	1	15.00	3.40	3.70	3.55		53.25	
	180.00	195.00	L/S	1	15.00	3.70	2.90	3.30		49.50	
	195.00	210.00	L/S	1	15.00	2.90	2.50	2.70		40.50	
	210.00	225.00	L/S	1	15.00	2.50	2.40	2.45		36.75	
	225.00	240.00	L/S	1	15.00	2.40	4.30	3.35		50.25	
	240.00	255.00	L/S	1	15.00	4.30	3.50	3.90		58.50	
	255.00	270.00	L/S	1	15.00	3.50	2.50	3.00		45.00	
	270.00	285.00	L/S	1	15.00	2.50	2.20	2.35		35.25	
	285.00	300.00	L/S	1	15.00	2.20	1.80	2.00		30.00	
	300.00	315.00	L/S	1	15.00	1.80	1.20	1.50		22.50	
	315.00	330.00	L/S	1	15.00	1.20	1.10	1.15		17.25	
	330.00	345.00	L/S	1	15.00	1.10	2.00	1.55		23.25	
	345.00	360.00	L/S	1	15.00	2.00	1.60	1.80		27.00	
	360.00	375.00	L/S	1	15.00	1.60	1.40	1.50		22.50	
	375.00	390.00	L/S	1	15.00	1.40	1.40	1.40		21.00	
	390.00	405.00	L/S	1	15.00	1.40	1.70	1.55		23.25	
	405.00	420.00	L/S	1	15.00	1.70	1.60	1.65		24.75	
	420.00	435.00	L/S	1	15.00	1.60	1.50	1.55		23.25	
	435.00	450.00	L/S	1	15.00	1.50	1.00	1.25		18.75	
	450.00	465.00	L/S	1	15.00	1.00	1.50	1.25		18.75	
	465.00	480.00	L/S	1	15.00	1.50	1.40	1.45		21.75	
	480.00	495.00	L/S	1	15.00	1.40	1.40	1.40		21.00	
	495.00	510.00	L/S	1	15.00	1.40	1.60	1.50		22.50	
	510.00	525.00	L/S	1	15.00	1.60	1.50	1.55		23.25	
	525.00	540.00	L/S	1	15.00	1.50	1.20	1.35		20.25	

Contractor

Consultant

Assistant Engineer

1093.05
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No											
Description		Side	Nos	Length	Width			Depth	Quantity	Remarks	
Chainage					B1	B2	Avg width				
Pre-Measurements Recorded on											
	540.00	555.00	L/S	1	15.00	1.20	2.10	1.65		24.75	
	555.00	570.00	L/S	1	15.00	2.10	2.20	2.15		32.25	
	570.00	585.00	L/S	1	15.00	2.20	2.70	2.45		36.75	
	585.00	595.00	L/S	1	10.00	2.70	2.70	2.70		27.00	
	595.00	610.00	L/S	1	15.00	2.70	2.00	2.35		35.25	
	610.00	628.00	L/S	1	18.00	2.00	0.35	1.18		21.15	NDP 27/9/20
RHS											
	0.00	15.00	R/S	1	15.00	0.60	0.50	0.55		8.25	
	15.00	30.00	R/S	1	15.00	0.50	1.00	0.75		11.25	
	30.00	45.00	R/S	1	15.00	1.00	1.05	1.03		15.38	
	45.00	60.00	R/S	1	15.00	1.05	2.30	1.68		25.13	
	60.00	75.00	R/S	1	15.00	2.30	2.40	2.35		35.25	
	75.00	90.00	R/S	1	15.00	2.40	2.40	2.40		36.00	
	90.00	105.00	R/S	1	15.00	2.40	2.40	2.40		36.00	
	105.00	120.00	R/S	1	15.00	2.40	2.50	2.45		36.75	
	120.00	135.00	R/S	1	15.00	2.50	2.20	2.35		35.25	
	135.00	150.00	R/S	1	15.00	2.20	1.30	1.75		26.25	
	150.00	165.00	R/S	1	15.00	1.30	1.20	1.25		18.75	
	165.00	180.00	R/S	1	15.00	1.20	1.10	1.15		17.25	
	180.00	195.00	R/S	1	15.00	1.10	1.00	1.05		15.75	
	195.00	210.00	R/S	1	15.00	1.00	1.20	1.10		16.50	
	210.00	225.00	R/S	1	15.00	1.20	1.40	1.30		19.50	
	225.00	240.00	R/S	1	15.00	1.40	1.10	1.25		18.75	
	240.00	255.00	R/S	1	15.00	1.10	1.10	1.10		16.50	
	255.00	270.00	R/S	1	15.00	1.10	1.30	1.20		18.00	
	270.00	285.00	R/S	1	15.00	1.30	1.00	1.15		17.25	
	285.00	300.00	R/S	1	15.00	1.00	1.20	1.10		16.50	
	300.00	315.00	R/S	1	15.00	1.20	1.20	1.20		18.00	
	315.00	330.00	R/S	1	15.00	1.20	1.40	1.30		19.50	
	330.00	345.00	R/S	1	15.00	1.40	1.70	1.55		23.25	
	345.00	360.00	R/S	1	15.00	1.70	1.70	1.70		25.50	
	360.00	375.00	R/S	1	15.00	1.70	1.30	1.50		22.50	
	375.00	390.00	R/S	1	15.00	1.30	1.50	1.40		21.00	
	390.00	405.00	R/S	1	15.00	1.50	0.90	1.20		18.00	
	405.00	420.00	R/S	1	15.00	0.90	1.40	1.15		17.25	
	420.00	435.00	R/S	1	15.00	1.40	1.70	1.55		23.25	
	435.00	450.00	R/S	1	15.00	1.70	1.50	1.60		24.00	
	450.00	465.00	R/S	1	15.00	1.50	1.80	1.65		24.75	
	465.00	480.00	R/S	1	15.00	1.80	1.60	1.70		25.50	
	480.00	495.00	R/S	1	15.00	1.60	1.90	1.75		26.25	
	495.00	510.00	R/S	1	15.00	1.90	1.80	1.85		27.75	
	510.00	525.00	R/S	1	15.00	1.80	2.00	1.90		28.50	
	525.00	540.00	R/S	1	15.00	2.00	2.80	2.40		36.00	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engin.

Kodigehalli Sub Division

BRMP Bangalore

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on										
	540.00	555.00	R/S	1	15.00	2.80	2.60	2.70		40.50	✓
	555.00	570.00	R/S	1	15.00	2.60	2.80	2.70		40.50	✓
	570.00	585.00	R/S	1	15.00	2.80	2.90	2.85		42.75	✓
	585.00	595.00	R/S	1	10.00	2.90	3.10	3.00		30.00	✓
	595.00	610.00	R/S	1	15.00	3.10	2.50	2.80		42.00	✓
	610.00	628.00	R/S	1	18.00	2.50	0.30	1.40		25.20	27/9/20
										195.75	
	Approachs										
				1	6.00			1.35		8.10	✓
				1	2.20			2.70		5.94	✓
				1	5.50			1.80		9.90	✓
				1	8.10			1.90		15.39	✓
				1	3.80			1.80		6.84	✓
				1	3.90			1.30		5.07	✓
				1	3.50			5.00		17.50	✓
				1	2.10			3.30		6.93	✓
				1	6.70			0.45		3.02	✓
											78.07
	Viensa Lake View Appatament Parrallel Road										
	0.00	15.00		1	15.00	8.10	7.80	7.95		119.25	✓
	15.00	30.00		1	15.00	7.80	7.60	7.70		115.50	✓
	30.00	45.00		1	15.00	7.60	8.00	7.80		117.00	✓
	45.00	54.50		1	9.50	8.00	4.90	6.45		61.28	413.03
									Total Qty	2,804.12	Sq-m

Contractor

Consultant



Assistant Engineer

Signature of Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Signature of Assistant Executive Engineer

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

No.7, Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on										
27	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)										
	ORPUR Apartment Road (Amruthhalli to Dasarahalli Main Road)--Road.										
	0.00	13.00		1	13.00	4.10	4.00	4.05		52.65	
	13.00	19.50		1	6.50	4.00	4.80	4.40		28.60	
	19.50	30.00		1	10.50	4.80	4.35	4.58		48.04	
	30.00	33.00		1	3.00	4.35	6.00	5.18		15.53	
	33.00	34.20		1	1.20					0.00	No work
	34.20	45.00		1	10.80	6.00	6.20	6.10		65.88	
	45.00	60.00		1	15.00	6.20	5.70	5.95		89.25	
	60.00	72.00		1	12.00	5.70	6.20	5.95		71.40	
	72.00	77.50		1	5.50	6.20	7.00	6.60		36.30	
	77.50	90.00		1	12.50	7.00	8.50	7.75		96.88	
	90.00	105.00		1	15.00	8.50	8.20	8.35		125.25	
	105.00	117.00		1	12.00	8.20	9.30	8.75		105.00	
	117.00	120.00		1	3.00	9.30	9.30	9.30		27.90	
	120.00	135.00		1	15.00	9.30	9.65	9.48		142.13	
	135.00	145.00		1	10.00	9.65	9.50	9.58		95.75	
	145.00	152.50		1	7.50	9.50	9.90	9.70		72.75	
	152.50	161.00		1	8.50	9.90	10.00	9.95		84.58	
	161.00	165.00		1	4.00	10.00	10.00	10.00		40.00	
	165.00	175.00		1	10.00	10.00	10.00	10.00		100.00	
	175.00	192.00		1	17.00	10.00	9.60	9.80		166.60	
	192.00	200.00		1	8.00	9.60	9.60	9.60		76.80	
	200.00	210.00		1	10.00	9.60	9.85	9.73		97.25	
	210.00	222.00		1	12.00	9.85	10.00	9.93		119.10	
	222.00	230.00		1	8.00	10.00	9.80	9.90		79.20	
	230.00	240.00		1	10.00	9.80	9.90	9.85		98.50	
	240.00	255.00		1	15.00	9.90	10.00	9.95		149.25	
	255.00	270.00		1	15.00	10.00	9.90	9.95		149.25	
	270.00	276.50		1	6.50	9.90	9.85	9.88		64.19	
	276.50	285.00		1	8.50	9.85	9.55	9.70		82.45	
	285.00	290.00		1	5.00	9.55	9.55	9.55		47.75	
	290.00	300.00		1	10.00	9.55	9.80	9.68		96.75	
	300.00	315.00		1	15.00	9.80	8.45	9.13		136.88	
	315.00	323.00		1	8.00	8.45	9.70	9.08		72.60	
	323.00	330.00		1	7.00	9.70	9.90	9.80		68.60	
	330.00	345.50		1	15.50	9.90	10.00	9.95		154.23	
	345.50	352.00		1	6.50	10.00	9.70	9.85		64.03	
	352.00	360.00		1	8.00	9.70	9.70	9.70		77.60	

Contractor

Consultant

Amruth N.D
Assistant Engineer

3098.88
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on										
	360.00	372.00		1	12.00	9.70	10.10	9.90		118.80	✓
	372.00	378.00		1	6.00	10.10	10.00	10.05		60.30	✓
	378.00	390.00		1	12.00	10.00	10.00	10.00		120.00	✓
	390.00	409.00		1	19.00	10.00	9.80	9.90		188.10	✓
	409.00	412.00		1	3.00	9.80	9.80	9.80		29.40	✓
	412.00	419.50		1	7.50	9.80	9.70	9.75		73.13	✓
	419.50	435.00		1	15.50	9.70	9.50	9.60		148.80	✓
	435.00	448.00		1	13.00	9.50	9.00	9.25		120.25	✓
	448.00	460.00		1	12.00	9.00	10.00	9.50		114.00	✓
	460.00	480.00		1	20.00	10.00	9.90	9.95		199.00	✓
	480.00	494.00		1	14.00	9.90	10.00	9.95		139.30	✓
	494.00	505.00		1	11.00	10.00	9.90	9.95		109.45	✓
	505.00	525.00		1	20.00	9.90	9.90	9.90		198.00	✓
	525.00	530.00		1	5.00	9.90	9.90	9.90		49.50	✓
	530.00	540.00		1	10.00	9.90	10.00	9.95		99.50	✓
	540.00	553.50		1	13.50	10.00	9.20	9.60		129.60	✓
	553.50	558.00		1	4.50	9.20	9.50	9.35		42.08	✓
	558.00	570.00		1	12.00	9.50	9.60	9.55		114.60	✓
	570.00	585.00		1	15.00	9.60	9.75	9.68		145.13	✓
	585.00	593.00		1	8.00	9.75	10.10	9.93		79.40	✓
	593.00	598.00		1	5.00	10.10	10.10	10.10		50.50	✓
	598.00	608.00		1	10.00	10.10	10.60	10.35		103.50	✓
	608.00	615.00		1	7.00	10.60	10.70	10.65		74.55	✓
	615.00	626.00		1	11.00	10.70	12.00	11.35		124.85	✓
	Janatha Colony Road (Road)										
	0.00	15.00		1	15.00	6.25	5.40	5.83		87.38	✓
	15.00	30.00		1	15.00	5.40	5.50	5.45		81.75	✓
	30.00	38.80		1	8.80	5.50	5.50	5.50		48.40	✓
										2849.25	
						Deduction of Prime Coat (-)				5948.13	
	ORPUR Apartment Road (Amruthhalli to Dasarahalli Main Road)									-2391.09	✓
									Total Qty	3557.05	Sqm

Contractor

Consultant



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).										
Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura										
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage				B1	B2	Avg width			
	Pre-Measurements Recorded on:-									
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWD SR of 2016-17)									
	Amruthahalli									
	Tack Coat For BC									
	ORTUS Apartment Road (Amruthhalli to Dasarahalli Main Road)									
	0.00	13.00		1	13.00	4.10	4.00	4.05	52.65	
	13.00	19.50		1	6.50	4.00	4.80	4.40	28.60	
	19.50	30.00		1	10.50	4.80	4.35	4.58	48.04	
	30.00	33.00		1	3.00	4.35	6.00	5.18	15.53	
	33.00	34.20		1	1.20				0.00	No work
	34.20	45.00		1	10.80	6.00	6.20	6.10	65.88	
	45.00	60.00		1	15.00	6.20	5.70	5.95	89.25	
	60.00	72.00		1	12.00	5.70	6.20	5.95	71.40	
	72.00	77.50		1	5.50	6.20	7.00	6.60	36.30	
	77.50	90.00		1	12.50	7.00	8.50	7.75	96.88	
	90.00	105.00		1	15.00	8.50	8.20	8.35	125.25	
	105.00	117.00		1	12.00	8.20	9.30	8.75	105.00	
	117.00	120.00		1	3.00	9.30	9.30	9.30	27.90	
	120.00	135.00		1	15.00	9.30	9.65	9.48	142.13	
	135.00	145.00		1	10.00	9.65	9.50	9.58	95.75	
	145.00	152.50		1	7.50	9.50	9.90	9.70	72.75	
	152.50	161.00		1	8.50	9.90	10.00	9.95	84.58	
	161.00	165.00		1	4.00	10.00	10.00	10.00	40.00	
	165.00	175.00		1	10.00	10.00	10.00	10.00	100.00	
	175.00	192.00		1	17.00	10.00	9.60	9.80	166.60	
	192.00	200.00		1	8.00	9.60	9.60	9.60	76.80	
	200.00	210.00		1	10.00	9.60	9.85	9.73	97.25	
	210.00	222.00		1	12.00	9.85	10.00	9.93	119.10	
	222.00	230.00		1	8.00	10.00	9.80	9.90	79.20	
	230.00	240.00		1	10.00	9.80	9.90	9.85	98.50	
	240.00	255.00		1	15.00	9.90	10.00	9.95	149.25	
	255.00	270.00		1	15.00	10.00	9.90	9.95	149.25	
	270.00	276.50		1	6.50	9.90	9.85	9.88	64.19	
	276.50	285.00		1	8.50	9.85	9.55	9.70	82.45	
	285.00	290.00		1	5.00	9.55	9.55	9.55	47.75	
	290.00	300.00		1	10.00	9.55	9.80	9.68	96.75	
	300.00	315.00		1	15.00	9.80	8.45	9.13	136.88	
	315.00	323.00		1	8.00	8.45	9.70	9.08	72.60	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
	323.00	330.00		1	7.00	9.70	9.90	9.80		68.60	/
	330.00	345.50		1	15.50	9.90	10.00	9.95		154.23	/
	345.50	352.00		1	6.50	10.00	9.70	9.85		64.03	/
	352.00	360.00		1	8.00	9.70	9.70	9.70		77.60	/
	360.00	372.00		1	12.00	9.70	10.10	9.90		118.80	/
	372.00	378.00		1	6.00	10.10	10.00	10.05		60.30	/
	378.00	390.00		1	12.00	10.00	10.00	10.00		120.00	/
	390.00	409.00		1	19.00	10.00	9.80	9.90		188.10	/
	409.00	412.00		1	3.00	9.80	9.80	9.80		29.40	/
	412.00	419.50		1	7.50	9.80	9.70	9.75		73.13	/
	419.50	435.00		1	15.50	9.70	9.50	9.60		148.80	/
	435.00	448.00		1	13.00	9.50	9.00	9.25		120.25	/
	448.00	460.00		1	12.00	9.00	10.00	9.50		114.00	/
	460.00	480.00		1	20.00	10.00	9.90	9.95		199.00	/
	480.00	494.00		1	14.00	9.90	10.00	9.95		139.30	/
	494.00	505.00		1	11.00	10.00	9.90	9.95		109.45	/
	505.00	525.00		1	20.00	9.90	9.90	9.90		198.00	/
	525.00	530.00		1	5.00	9.90	9.90	9.90		49.50	/
	530.00	540.00		1	10.00	9.90	10.00	9.95		99.50	/
	540.00	553.50		1	13.50	10.00	9.20	9.60		129.60	/
	553.50	558.00		1	4.50	9.20	9.50	9.35		42.08	/
	558.00	570.00		1	12.00	9.50	9.60	9.55		114.60	/
	570.00	585.00		1	15.00	9.60	9.75	9.68		145.13	/
	585.00	593.00		1	8.00	9.75	10.10	9.93		79.40	/
	593.00	598.00		1	5.00	10.10	10.10	10.10		50.50	/
	598.00	608.00		1	10.00	10.10	10.60	10.35		103.50	/
	608.00	615.00		1	7.00	10.60	10.70	10.65		74.55	/
	615.00	626.00		1	11.00	10.70	12.00	11.35		124.85	NDP
Approachs											
				1	6.00			1.35	2996.18	8.10	29/9/1
				1	2.20			2.70		5.94	/
				1	5.50			1.80		9.90	/
				1	8.10			1.90		15.39	/
				1	3.80			1.80		6.84	/
				1	3.90			1.30		5.07	/
				1	3.50			5.00		17.50	/
				1	2.10			3.30		6.93	/
				1	6.70			0.45		3.02	58.6
Janatha Colony Road (Road)											
	0.00	15.00		1	15.00	6.25	5.40	5.83		87.38	/
	15.00	30.00		1	15.00	5.40	5.50	5.45		81.75	/
	30.00	38.80		1	8.80	5.50	5.50	5.50		48.40	/

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	Viensa Lake View Appatament Parrallel Road										
1 PC	0.00	15.00		1	15.00	8.10	7.80	7.95		119.25	
2 PC	15.00	30.00		1	15.00	7.80	7.60	7.70		115.50	
3 PC	30.00	45.00		1	15.00	7.60	8.00	7.80		117.00	
4 PC	45.00	54.50		1	9.50	8.00	4.90	6.45		61.28	
5 PC									Total Qty	6,439.85	Sqm



Contractor



Consultant

M. N. D.
Assistant Engineer

C. S.
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

413.03

Bruhat Bengaluru Mahanagara Palike												
Byatarayanapura Division												
Job Code :-												
Name of Agency :- Benaka Developers & Project Pvt.Ltd.												
Bill No :- 4th & Part Bill												
Package No.02 (Package consists of 14 works).												
Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura												
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage				B1	B2	Avg width					
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWD S.R 2016-17)											
	Qty vide Pre measurement sheet page no (3)							841.24				148302.00
	Present Qnty to be Paid							841.24	Cum	176.29		1,48,301.47
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density,complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWD SR 2016-17)											
	Qty vide Pre measurement sheet page no (6)							644.95				1220149.00
	Present Qnty to be Paid							644.95	Cum	1,891.85		12,20,143.90
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWD SR 2016-17)											
	Qty vide Pre measurement sheet page no (9)							2,804.12				
	Present Qnty to be Paid							2,804.12	Sq-m	29.49		82,693.48
27	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWD SR 2016-17)											
	Qty vide Pre measurement sheet page no (11)							3557.05				
	Present Qnty to be Paid							3557.05	Sqm	3.40		12,093.95
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWD SR of 2016-17)											
	Qty vide Pre measurement sheet page no (14)							6439.85				
	Present Qnty to be Paid							6,439.85	Sqm	13.61		87,646.35

Contractor



Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Eng
Kodigehalli Sub Divisi
BBMP, Bangalore

Package No.02 (Package consists of 14 works).												
Name Of work : - Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura												
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage				B1	B2	Avg width					
	Measurements Recorded on											
30	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWD S.R 2016-17)											
	Tack Coat For BC											
	ORTUS Apartment Road (Amruthhalli to Dasarahalli Main Road)											
	0.00	13.00		1	13.00	4.10	4.00	4.05	0.04	2.11		
	13.00	19.50		1	6.50	4.00	4.80	4.40	0.04	1.14		
	19.50	30.00		1	10.50	4.80	4.35	4.58	0.04	1.92		
	30.00	33.00		1	3.00	4.35	6.00	5.18	0.04	0.62		
	33.00	34.20		1	1.20	0.00	0.00	0.00	0.04	0.00		
	34.20	45.00		1	10.80	6.00	6.20	6.10	0.04	2.64		
	45.00	60.00		1	15.00	6.20	5.70	5.95	0.04	3.57		
	60.00	72.00		1	12.00	5.70	6.20	5.95	0.04	2.86		
	72.00	77.50		1	5.50	6.20	7.00	6.60	0.04	1.45		
	77.50	90.00		1	12.50	7.00	8.50	7.75	0.04	3.88		
	90.00	105.00		1	15.00	8.50	8.20	8.35	0.04	5.01		
	105.00	117.00		1	12.00	8.20	9.30	8.75	0.04	4.20		
	117.00	120.00		1	3.00	9.30	9.30	9.30	0.04	1.12		
	120.00	135.00		1	15.00	9.30	9.65	9.48	0.04	5.69		
	135.00	145.00		1	10.00	9.65	9.50	9.58	0.04	3.83		
	145.00	152.50		1	7.50	9.50	9.90	9.70	0.04	2.91		
	152.50	161.00		1	8.50	9.90	10.00	9.95	0.04	3.38		
	161.00	165.00		1	4.00	10.00	10.00	10.00	0.04	1.60		
	165.00	175.00		1	10.00	10.00	10.00	10.00	0.04	4.00		
	175.00	192.00		1	17.00	10.00	9.60	9.80	0.04	6.66		
	192.00	200.00		1	8.00	9.60	9.60	9.60	0.04	3.07		
	200.00	210.00		1	10.00	9.60	9.85	9.73	0.04	3.89		
	210.00	222.00		1	12.00	9.85	10.00	9.93	0.04	4.76		
	222.00	230.00		1	8.00	10.00	9.80	9.90	0.04	3.17		
	230.00	240.00		1	10.00	9.80	9.90	9.85	0.04	3.94		
	240.00	255.00		1	15.00	9.90	10.00	9.95	0.04	5.97		
	255.00	270.00		1	15.00	10.00	9.90	9.95	0.04	5.97		
	270.00	276.50		1	6.50	9.90	9.85	9.88	0.04	2.57		
	276.50	285.00		1	8.50	9.85	9.55	9.70	0.04	3.30		
	285.00	290.00		1	5.00	9.55	9.55	9.55	0.04	1.91		
	290.00	300.00		1	10.00	9.55	9.80	9.68	0.04	3.87		
	300.00	315.00		1	15.00	9.80	8.45	9.13	0.04	5.48		
	315.00	323.00		1	8.00	8.45	9.70	9.08	0.04	2.90		
	323.00	330.00		1	7.00	9.70	9.90	9.80	0.04	2.74		
	330.00	345.50		1	15.50	9.90	10.00	9.95	0.04	6.17		
	345.50	352.00		1	6.50	10.00	9.70	9.85	0.04	2.56		
	352.00	360.00		1	8.00	9.70	9.70	9.70	0.04	3.10		

Contractor



Consultant

Assistant Engineer

Assistant Executive Engineer
 Assistant Executive Engineer
 Kodigehalli Sub Division
 B&MP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage					B1	B2	Avg width					
	360.00	372.00		1	12.00	9.70	10.10	9.90	0.04	4.75			
	372.00	378.00		1	6.00	10.10	10.00	10.05	0.04	2.41			
	378.00	390.00		1	12.00	10.00	10.00	10.00	0.04	4.80			
	390.00	409.00		1	19.00	10.00	9.80	9.90	0.04	7.52			
	409.00	412.00		1	3.00	9.80	9.80	9.80	0.04	1.18			
	412.00	419.50		1	7.50	9.80	9.70	9.75	0.04	2.93			
	419.50	435.00		1	15.50	9.70	9.50	9.60	0.04	5.95			
	435.00	448.00		1	13.00	9.50	9.00	9.25	0.04	4.81			
	448.00	460.00		1	12.00	9.00	10.00	9.50	0.04	4.56			
	460.00	480.00		1	20.00	10.00	9.90	9.95	0.04	7.96			
	480.00	494.00		1	14.00	9.90	10.00	9.95	0.04	5.57			
	494.00	505.00		1	11.00	10.00	9.90	9.95	0.04	4.38			
	505.00	525.00		1	20.00	9.90	9.90	9.90	0.04	7.92			
	525.00	530.00		1	5.00	9.90	9.90	9.90	0.04	1.98			
	530.00	540.00		1	10.00	9.90	10.00	9.95	0.04	3.98			
	540.00	553.50		1	13.50	10.00	9.20	9.60	0.04	5.18			
	553.50	558.00		1	4.50	9.20	9.50	9.35	0.04	1.68			
	558.00	570.00		1	12.00	9.50	9.60	9.55	0.04	4.58			
	570.00	585.00		1	15.00	9.60	9.75	9.68	0.04	5.81			
	585.00	593.00		1	8.00	9.75	10.10	9.93	0.04	3.18			
	593.00	598.00		1	5.00	10.10	10.10	10.10	0.04	2.02			
	598.00	608.00		1	10.00	10.10	10.60	10.35	0.04	4.14			
	608.00	615.00		1	7.00	10.60	10.70	10.65	0.04	2.98			
	615.00	626.00		1	11.00	10.70	12.00	11.35	0.04	4.99			
	Approachs												
				1	6.00			1.35	0.04	0.32			
				1	2.20			2.70	0.04	0.24			
				1	5.50			1.80	0.04	0.40			
				1	8.10			1.90	0.04	0.62			
				1	3.80			1.80	0.04	0.27			
				1	3.90			1.30	0.04	0.20			
				1	3.50			5.00	0.04	0.70			
				1	2.10			3.30	0.04	0.28			
				1	6.70			0.45	0.04	0.12			
	Janatha Colony Road (Road)												
	0.00	15.00		1	15.00	6.25	5.40	5.83	0.04	3.50			
	15.00	30.00		1	15.00	5.40	5.50	5.45	0.04	3.27			
	30.00	38.80		1	8.80	5.50	5.50	5.50	0.04	1.94			
	Viensa Lake View Appatament Parrallel Road												
	0.00	15.00		1	15.00	8.10	7.80	7.95	0.04	4.77			
	15.00	30.00		1	15.00	7.80	7.60	7.70	0.04	4.62			
	30.00	45.00		1	15.00	7.60	8.00	7.80	0.04	4.68			
	45.00	54.50		1	9.50	8.00	4.90	6.45	0.04	2.45			
								Total Qty	257.59	Cum	8,686.84	22,37,677.69	
										Grand Total	37,88,556.85		

34,88,524.78

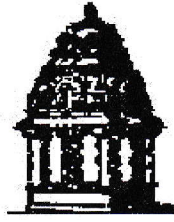
Contractor



Consultant

Assistant Engineer

Assistant Executive Engineer
 Assistant Executive Eng
 Kodigehalli Sub Divisi
 BBMP, Bangalore



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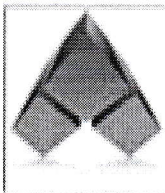
**BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION**

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains
from JNC Circle to Jakkur Double Road in Ward
No.7, Byatarayanapura

4th & PART BILL

MEASUREMENT BOOK



**TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS**

No.58 MIG, 6th Cross, 3rd Main

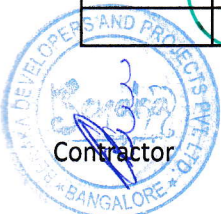
1st Stage, Basaveshwaranagar

Bangalore -560079

☎ 080 - 23287532

email: tejusconsultants@gmail.com

Bruhat Bengaluru Mahanagara Palike											
Byatarayanapura Division											
Job Code :-											
Name of Agency :- Benaka Developers & Project Pvt.Ltd.											
Bill No :- 4th & Part Bill											
Package No.02 (Package consists of 14 works).											
Name Of work :- Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
Desilt											
Jakkur Layout											
6th A Cross Road											
LHS											
	0.00	5.00	L/S	1	5.00			0.50	0.50	1.25	
	5.00	15.00	L/S	1	10.00			0.50	0.50	2.50	
	15.00	25.00	L/S	1	10.00			0.50	0.50	2.50	
	25.00	31.00	L/S	1	6.00			0.50	0.50	1.50	
	31.00	34.20	L/S	1	3.20			0.50	0.50	0.80	
RHS											
	0.00	5.00	R/S	1	5.00			0.50	0.50	1.25	
	5.00	15.00	R/S	1	10.00			0.50	0.50	2.50	
	15.00	23.50	R/S	1	8.50			0.50	0.50	2.13	
	23.50	31.00	R/S	1	7.50			0.50	0.50	1.88	
	31.00	34.20	R/S	1	3.20			0.50	0.50	0.80	
13th A Cross Road											
LHS											
	0.00	8.30	L/S	1	8.30			0.50	0.50	2.08	
	8.30	12.50	L/S	0	4.20					0.00	No Work
	12.50	27.50	L/S	1	15.00			0.50	0.50	3.75	
	27.50	43.20	L/S	1	15.70			0.50	0.50	3.93	
	43.20	49.20	L/S	1	6.00			0.50	0.50	1.50	
	49.20	78.00	L/S	1	28.80			0.50	0.50	7.20	
RHS											
	0.00	29.00	R/S	1	29.00			0.50	0.50	7.25	
	29.00	34.40	R/S	0	5.40					0.00	No Work
	34.40	74.00	R/S	1	39.60			0.50	0.50	9.90	
14th A Cross Road											
LHS											
	0.00	8.00	L/S	1	8.00			0.50	0.50	2.00	
	8.00	17.00	L/S	0	9.00					0.00	No Work



Contractor



Consultant

Assistant Engineer

54.7

Assistant Executive Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

B&M.P, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	17.00	32.00	L/S	1	15.00			0.50	0.50	3.75	✓
	32.00	47.00	L/S	1	15.00			0.50	0.50	3.75	✓
	47.00	58.00	L/S	1	11.00			0.50	0.50	2.75	✓
	58.00	68.00	L/S	1	10.00			0.50	0.50	2.50	✓
	RHS										
	0.00	8.00	R/S	1	8.00			0.50	0.50	2.00	✓
	8.00	17.00	R/S	1	9.00			0.50	0.50	2.25	✓
	17.00	32.00	R/S	1	15.00			0.50	0.50	3.75	✓
	32.00	47.00	R/S	1	15.00			0.50	0.50	3.75	✓
	47.00	58.00	R/S	1	11.00			0.50	0.50	2.75	✓
	58.00	68.00	R/S	1	10.00			0.50	0.50	2.50	✓
	15th A Cross Road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.50	0.50	3.75	✓
	15.00	27.00	L/S	1	12.00			0.50	0.50	3.00	✓
	27.00	36.00	L/S	0	9.00					0.00	No Work
	36.00	49.00	L/S	1	13.00			0.50	0.50	3.25	✓
	49.00	77.00	L/S	0	28.00					0.00	No Work
	77.00	90.50	L/S	1	13.50			0.50	0.50	3.38	✓
	90.50	103.00	L/S	1	12.50			0.50	0.50	3.13	✓
	103.00	109.00	L/S	1	6.00			0.50	0.50	1.50	✓
	109.00	123.00	L/S	1	14.00			0.50	0.50	3.50	✓
	123.00	128.00	L/S	1	5.00			0.50	0.50	1.25	✓
	128.00	143.00	L/S	1	15.00			0.50	0.50	3.75	✓
	143.00	158.00	L/S	1	15.00			0.50	0.50	3.75	✓
	158.00	173.00	L/S	1	15.00			0.50	0.50	3.75	✓
	173.00	177.00	L/S	1	4.00			0.50	0.50	1.00	✓
	177.00	192.00	L/S	1	15.00			0.50	0.50	3.75	✓
	192.00	207.00	L/S	1	15.00			0.50	0.50	3.75	✓
	207.00	212.00	L/S	1	5.00			0.50	0.50	1.25	✓
	RHS										
	0.00	11.80	R/S	1	11.80			0.50	0.50	2.95	✓
	11.80	21.00	R/S	1	9.20			0.50	0.50	2.30	✓
	21.00	30.00	R/S	1	9.00			0.50	0.50	2.25	✓
	30.00	45.00	R/S	1	15.00			0.50	0.50	3.75	✓
	45.00	49.00	R/S	1	4.00			0.50	0.50	1.00	✓
	49.00	59.50	R/S	1	10.50			0.50	0.50	2.63	✓
	59.50	74.50	R/S	1	15.00			0.50	0.50	3.75	✓
	74.50	77.00	R/S	1	2.50			0.50	0.50	0.63	✓
	77.00	86.20	R/S	1	9.20			0.50	0.50	2.30	✓
	86.20	96.00	R/S	1	9.80			0.50	0.50	2.45	✓

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	96.00	111.00	R/S	1	15.00			0.50	0.50	3.75	✓
	111.00	114.00	R/S	1	3.00			0.50	0.50	0.75	✓
	114.00	123.00	R/S	1	9.00			0.50	0.50	2.25	✓
	123.00	132.00	R/S	1	9.00			0.50	0.50	2.25	✓
	132.00	147.00	R/S	1	15.00			0.50	0.50	3.75	✓
	147.00	154.00	R/S	1	7.00			0.50	0.50	1.75	✓
	154.00	160.00	R/S	1	6.00			0.50	0.50	1.50	✓
	160.00	170.00	R/S	1	10.00			0.50	0.50	2.50	✓
	170.00	187.50	R/S	1	17.50			0.50	0.50	4.38	✓
	187.50	206.00	R/S	1	18.50			0.50	0.50	4.63	✓
	206.00	212.00	R/S	0	6.00			0.50	0.50	0.00	No Work
	Talakaveri Badavane 8th Cross Road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.50	0.50	3.75	No work
	15.00	30.00	L/S	0	15.00			0.50	0.50	0.00	No work
	30.00	36.00	L/S	1	6.00			0.50	0.50	1.50	No work
	36.00	62.00	L/S	1	26.00			0.50	0.50	6.50	
	62.00	75.00	L/S	0	13.00			0.50	0.50	0.00	No work
	75.00	90.00	L/S	1	15.00			0.50	0.50	3.75	✓
	90.00	105.00	L/S	1	15.00			0.50	0.50	3.75	✓
	105.00	120.00	L/S	1	15.00			0.50	0.50	3.75	✓
	120.00	135.00	L/S	1	15.00			0.50	0.50	3.75	✓
	135.00	143.50	L/S	1	8.50			0.50	0.50	2.13	✓
	143.50	144.70	L/S	1	1.20			0.50	0.50	0.30	✓
	RHS										
	0.00	15.00	R/S	1	15.00			0.50	0.50	3.75	✓
	15.00	30.00	R/S	1	15.00			0.50	0.50	3.75	✓
	30.00	45.00	R/S	1	15.00			0.50	0.50	3.75	✓
	45.00	60.00	R/S	1	15.00			0.50	0.50	3.75	✓
	60.00	76.00	R/S	1	16.00			0.50	0.50	4.00	✓
	76.00	85.00	R/S	1	9.00			0.50	0.50	2.25	✓
	85.00	105.00	R/S	1	20.00			0.50	0.50	5.00	✓
	105.00	122.00	R/S	1	17.00			0.50	0.50	4.25	✓
	122.00	127.00	R/S	1	5.00			0.50	0.50	1.25	✓
	127.00	140.00	R/S	1	13.00			0.50	0.50	3.25	✓
	16th A Cross Road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.50	0.50	3.75	✓
	15.00	30.00	L/S	1	15.00			0.50	0.50	3.75	✓
	30.00	37.00	L/S	1	7.00			0.50	0.50	1.75	✓
	37.00	47.00	L/S	1	10.00			0.50	0.50	2.50	✓



Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BEMP Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	47.00	66.00	L/S	1	19.00			0.50	0.50	4.75	✓
	66.00	74.00	L/S	1	8.00			0.50	0.50	2.00	✓
	74.00	89.00	L/S	1	15.00			0.50	0.50	3.75	✓
	89.00	104.00	L/S	1	15.00			0.50	0.50	3.75	✓
	104.00	109.00	L/S	1	5.00			0.50	0.50	1.25	✓
	109.00	120.00	L/S	1	11.00			0.50	0.50	2.75	✓
	120.00	125.10	L/S	1	5.10			0.50	0.50	1.28	✓
	RHS										
	0.00	15.00	R/S	1	15.00			0.50	0.50	3.75	✓
	15.00	20.00	R/S	1	5.00			0.50	0.50	1.25	✓
	20.00	31.00	R/S	1	11.00			0.50	0.50	2.75	✓
	31.00	35.00	R/S	1	4.00			0.50	0.50	1.00	✓
	35.00	43.00	R/S	1	8.00			0.50	0.50	2.00	✓
	43.00	56.00	R/S	1	13.00			0.50	0.50	3.25	✓
	56.00	62.00	R/S	1	6.00			0.50	0.50	1.50	✓
	62.00	72.00	R/S	1	10.00			0.50	0.50	2.50	✓
	72.00	87.00	R/S	1	15.00			0.50	0.50	3.75	✓
	87.00	98.00	R/S	1	11.00			0.50	0.50	2.75	✓
	98.00	106.00	R/S	1	8.00			0.50	0.50	2.00	✓
	106.00	109.00	R/S	1	3.00			0.50	0.50	0.75	✓
	109.00	125.00	R/S	1	16.00			0.50	0.50	4.00	✓
	17th A Cross Road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.50	0.50	3.75	✓
	15.00	27.50	L/S	1	12.50			0.50	0.50	3.13	✓
	RHS										
	0.00	15.00	R/S	1	15.00			0.50	0.50	3.75	✓
	15.00	27.50	R/S	1	12.50			0.50	0.50	3.13	✓
	18th A Cross Road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.50	0.50	3.75	✓
	15.00	30.00	L/S	1	15.00			0.50	0.50	3.75	✓
	30.00	46.00	L/S	1	16.00			0.50	0.50	4.00	✓
	RHS										
	0.00	15.00	R/S	0	15.00			0.50	0.50	0.00	No work
	15.00	30.00	R/S	0	15.00			0.50	0.50	0.00	No work
	30.00	46.00	R/S	1	16.00			0.50	0.50	4.00	✓
	Approach Road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.50	0.50	3.75	✓
	15.00	30.00	L/S	1	15.00			0.50	0.50	3.75	✓



Assistant Engineer

87.53

Assistant Executive Engineer
Kodigehalli Sub Division
BMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	30.00	45.00	L/S	1	15.00			0.50	0.50	3.75	✓
	45.00	60.00	L/S	1	15.00			0.50	0.50	3.75	✓
	60.00	75.00	L/S	1	15.00			0.50	0.50	3.75	✓
	75.00	90.00	L/S	1	15.00			0.50	0.50	3.75	✓
	90.00	100.50	L/S	1	10.50			0.50	0.50	2.63	✓
	RHS										
	0.00	15.00	R/S	1	15.00			0.50	0.50	3.75	✓
	15.00	30.00	R/S	1	15.00			0.50	0.50	3.75	✓
	30.00	45.00	R/S	1	15.00			0.50	0.50	3.75	✓
	45.00	60.00	R/S	1	15.00			0.50	0.50	3.75	✓
	60.00	75.00	R/S	0	15.00			0.50	0.50	0.00	No work
	75.00	90.00	R/S	1	15.00			0.50	0.50	3.75	✓
	90.00	100.50	R/S	1	10.50			0.50	0.50	2.63	22/6/20
	19th Cross Road										
	LHS										
	0.00	15.00	L/S	0	15.00			0.50	0.50	0.00	No work
	15.00	24.00	L/S	0	9.00			0.50	0.50	0.00	No work
	24.00	45.00	L/S	1	21.00			0.50	0.50	5.25	✓
	45.00	60.00	L/S	1	15.00			0.50	0.50	3.75	✓
	60.00	73.00	L/S	1	13.00			0.50	0.50	3.25	✓
	73.00	90.00	L/S	1	17.00			0.50	0.50	4.25	✓
	90.00	105.00	L/S	1	15.00			0.50	0.50	3.75	✓
	105.00	120.00	L/S	1	15.00			0.50	0.50	3.75	✓
	120.00	135.00	L/S	1	15.00			0.50	0.50	3.75	✓
	RHS										
	0.00	15.00	R/S	0	15.00			0.50	0.50	0.00	No work
	15.00	24.00	R/S	0	9.00			0.50	0.50	0.00	No work
	24.00	45.00	R/S	1	21.00			0.50	0.50	5.25	✓
	45.00	60.00	R/S	1	15.00			0.50	0.50	3.75	✓
	60.00	69.00	R/S	1	9.00			0.50	0.50	2.25	✓
	69.00	85.00	R/S	1	16.00			0.50	0.50	4.00	✓
	85.00	107.00	R/S	1	22.00			0.50	0.50	5.50	✓
	107.00	120.00	R/S	1	13.00			0.50	0.50	3.25	✓
	120.00	135.00	R/S	1	15.00			0.50	0.50	3.75	✓
	135.00	137.00	R/S	1	2.00			0.50	0.50	0.50	✓
	19th A Cross Road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.50	0.50	3.75	✓
	15.00	25.00	L/S	1	10.00			0.50	0.50	2.50	✓
	25.00	30.00	L/S	1	5.00			0.50	0.50	1.25	✓
	30.00	45.00	L/S	1	15.00			0.50	0.50	3.75	✓



Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigeballi Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	45.00	48.00	L/S	1	3.00			0.50	0.50	0.75	✓
	48.00	66.00	L/S	1	18.00			0.50	0.50	4.50	✓
	66.00	75.00	L/S	1	9.00			0.50	0.50	2.25	✓
	RHS										
	0.00	15.00	R/S	1	15.00			0.50	0.50	3.75	✓
	15.00	25.00	R/S	1	10.00			0.50	0.50	2.50	✓
	25.00	30.00	R/S	1	5.00			0.50	0.50	1.25	✓
	30.00	45.00	R/S	1	15.00			0.50	0.50	3.75	✓
	45.00	60.00	R/S	1	15.00			0.50	0.50	3.75	✓
	60.00	66.00	R/S	1	6.00			0.50	0.50	1.50	✓
	66.00	84.00	R/S	1	18.00			0.50	0.50	4.50	✓
								Total Qty		477.90	Cu-m



Abhijit N.D.
Assistant Engineer

C/A
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
6	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&I WTD SR 2016-17)										
	B.S Drain										
	Jakkur Layout										
	6th A Cross Road										
	LHS										
	5.00	15.00	L/S	1	6.00			1.80	10.80		
	25.00	31.00	L/S	1	5.00			1.80	9.00		
	RHS										
	15.00	23.50	R/S	1	6.00			1.80	10.80		
	13th A Cross Road										
	LHS										
	27.50	43.20	L/S	1	8.00			1.80	14.40		
	49.20	78.00	L/S	1	5.00			1.80	9.00		
	RHS										
	0.00	29.00	R/S	1	4.00			1.80	7.20		
	14th A Cross Road										
	LHS										
	0.00	8.00	L/S	1	5.00			1.80	9.00		
	47.00	58.00	L/S	1	5.00			1.80	9.00		
	RHS										
	8.00	17.00	R/S	1	5.00			1.80	9.00		
	58.00	68.00	R/S	1	6.00			1.80	10.80		
	15th A Cross Road										
	LHS										
	36.00	49.00	L/S	1	5.00			1.80	9.00		
	109.00	123.00	L/S	1	5.00			1.80	9.00		
	158.00	173.00	L/S	1	9.00			1.80	16.20		
	RHS										
	123.00	132.00	R/S	1	7.00			1.80	12.60		
	187.50	206.00	R/S	1	4.00			1.80	7.20		
	Talakaveri Badavane 8th Cross Road										
	LHS										
	36.00	62.00	L/S	1	5.00			1.80	9.00		
	90.00	105.00	L/S	1	6.00			1.80	10.80		
	RHS										
	45.00	60.00	R/S	1	6.00			1.80	10.80		
	105.00	122.00	R/S	1	3.00			1.80	5.40	23/6/20	
	16th A Cross Road										
	LHS										
	30.00	37.00	L/S	1	7.00			1.80	12.60		



Assistant Engineer

201.60
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	109.00	120.00	L/S	1	5.00			1.80		9.00	
	RHS										
	15.00	20.00	R/S	1	2.00			1.80		3.60	
	72.00	87.00	R/S	1	3.00			1.80		5.40	
	106.00	109.00	R/S	1	3.00			1.80		5.40	
	17th A Cross Road										
	LHS										
	15.00	27.50	L/S	1	5.00			1.80		9.00	
	RHS										
	0.00	15.00	R/S	1	4.00			1.80		7.20	
	18th A Cross Road										
	LHS										
	30.00	46.00	L/S	1	6.00			1.80		10.80	
	RHS										
	30.00	46.00	R/S	1	4.00			1.80		7.20	
	Approach Road										
	LHS										
	15.00	30.00	L/S	1	4.00			1.80		7.20	
	75.00	90.00	L/S	1	5.00			1.80		9.00	
	RHS										
	30.00	45.00	R/S	1	4.00			1.80		7.20	
	60.00	75.00	R/S	1	6.00			1.80		10.80	
	90.00	100.50	R/S	1	5.00			1.80		9.00	
	19th Cross Road										
	LHS										
	24.00	45.00	L/S	1	6.00			1.80		10.80	
	60.00	73.00	L/S	1	7.00			1.80		12.60	
	90.00	105.00	L/S	1	4.00			1.80		7.20	
	120.00	135.00	L/S	1	3.00			1.80		5.40	
	RHS										
	24.00	45.00	R/S	1	6.00			1.80		10.80	
	60.00	69.00	R/S	1	5.00			1.80		9.00	
	107.00	120.00	R/S	1	8.00			1.80		14.40	
	19th A Cross Road										
	LHS										
	15.00	25.00	L/S	1	5.00			1.80		9.00	
	66.00	75.00	L/S	1	2.00			1.80		3.60	
	RHS										
	30.00	45.00	R/S	1	6.00			1.80		10.80	
	60.00	66.00	R/S	1	4.00			1.80		7.20	
	B.S Cover Slab										



M. N. D.
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
Jakkur Layout											
6th A Cross Road											
RHS											
	0.00	5.00	R/S	1	5.00			0.90		4.50	
	5.00	15.00	R/S	1	6.00			0.90		5.40	
	15.00	23.50	R/S	1	4.00			0.90		3.60	
13th A Cross Road											
LHS											
	43.20	49.20	L/S	1	6.00			0.90		5.40	
RHS											
	0.00	29.00	R/S	1	29.00			0.90		26.10	
	34.40	74.00	R/S	1	39.60			0.90		35.64	
14th A Cross Road											
LHS											
	17.00	32.00	L/S	1	15.00			0.90		13.50	
	32.00	47.00	L/S	1	15.00			0.90		13.50	
	47.00	58.00	L/S	1	11.00			0.90		9.90	
RHS											
	17.00	32.00	R/S	1	15.00			0.90		13.50	
	32.00	47.00	R/S	1	15.00			0.90		13.50	
	47.00	58.00	R/S	1	11.00			0.90		9.90	
15th A Cross Road											
LHS											
	36.00	49.00	L/S	1	13.00			0.90		11.70	
	77.00	90.50	L/S	1	13.50			0.90		12.15	
	103.00	109.00	L/S	1	6.00			0.90		5.40	
	109.00	123.00	L/S	1	14.00			0.90		12.60	
	128.00	143.00	L/S	1	15.00			0.90		13.50	
	143.00	158.00	L/S	1	15.00			0.90		13.50	
	158.00	173.00	L/S	1	15.00			0.90		13.50	
	173.00	177.00	L/S	1	4.00			0.90		3.60	
RHS											
	11.80	21.00	R/S	1	9.20			0.90		8.28	
	86.20	96.00	R/S	1	9.80			0.90		8.82	
	114.00	123.00	R/S	1	9.00			0.90		8.10	
	132.00	147.00	R/S	1	15.00			0.90		13.50	
	147.00	154.00	R/S	1	7.00			0.90		6.30	
	160.00	170.00	R/S	1	10.00			0.90		9.00	
	187.50	206.00	R/S	1	18.50			0.90		16.65	
Talakaveri Badavane 8th Cross Road											
LHS											



Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

311.04

Package No.02 (Package consists of 14 works).**Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura**

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	36.00	62.00	L/S	1	26.00			0.90		23.40	
	120.00	135.00	L/S	1	15.00			0.90		13.50	
	135.00	143.50	L/S	1	8.50			0.90		7.65	
	143.50	144.70	L/S	1	1.20			0.90		1.08	
	RHS										
	15.00	30.00	R/S	1	15.00			0.90		13.50	
	30.00	45.00	R/S	1	15.00			0.90		13.50	
	45.00	60.00	R/S	1	15.00			0.90		13.50	
	60.00	76.00	R/S	1	16.00			0.90		14.40	
	85.00	105.00	R/S	1	20.00			0.90		18.00	
	105.00	122.00	R/S	1	17.00			0.90		15.30	
	127.00	140.00	R/S	1	13.00			0.90		11.70	
	16th A Cross Road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.90		13.50	
	15.00	30.00	L/S	1	15.00			0.90		13.50	
	30.00	37.00	L/S	1	7.00			0.90		6.30	
	37.00	47.00	L/S	1	10.00			0.90		9.00	
	47.00	66.00	L/S	1	19.00			0.90		17.10	
	74.00	89.00	L/S	1	15.00			0.90		13.50	
	89.00	104.00	L/S	1	15.00			0.90		13.50	
	104.00	109.00	L/S	1	5.00			0.90		4.50	
	109.00	120.00	L/S	1	11.00			0.90		9.90	
	120.00	125.10	L/S	1	5.10			0.90		4.59	
	RHS							0.90			
	0.00	15.00	R/S	1	15.00			0.90		13.50	
	15.00	20.00	R/S	1	5.00			0.90		4.50	
	31.00	35.00	R/S	1	4.00			0.90		3.60	
	43.00	56.00	R/S	1	13.00			0.90		11.70	
	62.00	72.00	R/S	1	10.00			0.90		9.00	
	98.00	106.00	R/S	1	8.00			0.90		7.20	
	109.00	125.00	R/S	1	16.00			0.90		14.40	
	17th A Cross Road										
	LHS										
	0.00	15.00	L/S	1	15.00			0.90		13.50	
	15.00	27.50	L/S	1	12.50			0.90		11.25	
	18th A Cross Road										
	30.00	46.00	R/S	1	16.00			0.90		14.40	
	Approach Road										
	LHS										
	30.00	45.00	L/S	1	15.00			0.90		13.50	



Assistant Engineer

367.47

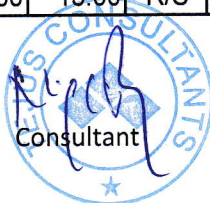
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

24	6	7020
289.80		



Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&I WTD SR 2016-17)										
	~~B.S Drain~~										
	B.S Drain										
	Jakkur Layout										
	6th A Cross Road										
	LHS										
	0.00	5.00	L/S	1	5.00			1.80	9.00		
	15.00	25.00	L/S	1	3.00			1.80	5.40		
	RHS										
	0.00	5.00	R/S	1	5.00			1.80	9.00		
	23.50	31.00	R/S	1	5.00			1.80	9.00		
	13th A Cross Road										
	LHS										
	0.00	8.30	L/S	1	5.00			1.80	9.00		
	43.20	49.20	L/S	1	6.00			1.80	10.80		
	14th A Cross Road										
	LHS										
	17.00	32.00	L/S	1	6.00			1.80	10.80		
	32.00	47.00	L/S	1	5.00			1.80	9.00		
	RHS										
	17.00	32.00	R/S	1	8.00			1.80	14.40		
	15th A Cross Road										
	LHS										
	90.50	103.00	L/S	1	8.00			1.80	14.40		
	143.00	158.00	L/S	1	9.00			1.80	16.20		
	RHS										
	0.00	11.80	R/S	1	4.00			1.80	7.20		
	30.00	45.00	R/S	1	5.00			1.80	9.00		
	59.50	74.50	R/S	1	6.00			1.80	10.80		
	77.00	86.20	R/S	1	5.00			1.80	9.00		
	132.00	147.00	R/S	1	5.00			1.80	9.00		
	160.00	170.00	R/S	1	4.00			1.80	7.20		
	Talakaveri Badavane 8th Cross Road										
	LHS										
	75.00	90.00	L/S	1	5.00			1.80	9.00		
	135.00	143.50	L/S	1	5.00			1.80	9.00		
	RHS										
	0.00	15.00	R/S	1	5.00			1.80	9.00		



Assistant Engineer

196.2

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
C/S G/S 12/6/20	60.00	76.00	R/S	1	7.00			1.80		12.60	
	76.00	85.00	R/S	1	8.00			1.80		14.40	
	127.00	140.00	R/S	1	5.00			1.80		9.00	22/6/20
	16th A Cross Road										
	LHS										
	0.00	15.00	L/S	1	4.00			1.80		7.20	
	15.00	30.00	L/S	1	5.00			1.80		9.00	
	66.00	74.00	L/S	1	8.00			1.80		14.40	
	89.00	104.00	L/S	1	7.00			1.80		12.60	
	120.00	125.10	L/S	1	5.10			1.80		9.18	
	RHS										
	20.00	31.00	R/S	1	8.00			1.80		14.40	
	35.00	43.00	R/S	1	8.00			1.80		14.40	
	87.00	98.00	R/S	1	2.00			1.80		3.60	
	109.00	125.00	R/S	1	5.00			1.80		9.00	
	17th A Cross Road										
	LHS										
	0.00	15.00	L/S	1	6.00			1.80		10.80	
	RHS										
	15.00	27.50	R/S	1	3.00			1.80		5.40	
	18th A Cross Road										
	LHS										
	0.00	15.00	L/S	1	4.00			1.80		7.20	
	15.00	30.00	L/S	1	5.00			1.80		9.00	
	Approach Road										
	LHS										
	0.00	15.00	L/S	1	3.00			1.80		5.40	
	30.00	45.00	L/S	1	6.00			1.80		10.80	
	60.00	75.00	L/S	1	7.00			1.80		12.60	
	90.00	100.50	L/S	1	5.00			1.80		9.00	
	RHS										
	0.00	15.00	R/S	1	6.00			1.80		10.80	
	45.00	60.00	R/S	1	7.00			1.80		12.60	
	75.00	90.00	R/S	1	6.00			1.80		10.80	
	19th Cross Road										
	LHS										
	45.00	60.00	L/S	1	8.00			1.80		14.40	
	73.00	90.00	L/S	1	6.00			1.80		10.80	
	RHS										



M.H.U.N.D.
Assistant Engineer

291.78

G.S.D.
Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura

6708
28/6/2020



Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).**Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura**

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWD S.R 2016-17)										
	19th Cross Road										
	0.00	15.00		1	15.00	5.70	6.20	5.95	0.30	26.78	
	15.00	30.00		1	15.00	6.20	6.60	6.40	0.30	28.80	
	30.00	45.00		1	15.00	6.60	6.65	6.63	0.30	29.81	
	45.00	60.00		1	15.00	6.65	6.60	6.63	0.30	29.81	
	60.00	75.00		1	15.00	6.60	6.20	6.40	0.30	28.80	
	75.00	90.00		1	15.00	6.20	6.70	6.45	0.30	29.03	
	90.00	105.00		1	15.00	6.70	6.55	6.63	0.30	29.81	
	105.00	120.00		1	15.00	6.55	6.75	6.65	0.30	29.93	
	120.00	135.00		1	15.00	6.75	6.45	6.60	0.30	29.70	
	135.00	150.00		1	15.00	6.45	6.30	6.38	0.30	28.69	
	150.00	165.00		1	15.00	6.30	7.10	6.70	0.30	30.15	
	165.00	177.90		1	12.90	7.10	7.80	7.45	0.30	28.83	
	Approach Road										
	0.00	15.00		1	15.00	8.55	6.75	7.65	0.30	34.43	
	15.00	30.00		1	15.00	6.75	7.10	6.93	0.30	31.16	
	30.00	45.00		1	15.00	7.10	7.00	7.05	0.30	31.73	
	45.00	52.30		1	7.30	7.00	7.45	7.23	0.30	15.82	
	19th A Cross Road										
	0.00	15.00		1	15.00	4.55	4.25	4.40	0.30	19.80	
	15.00	25.00		1	10.00	4.25	4.40	4.33	0.30	12.98	
	25.00	30.00		1	5.00	4.40	4.40	4.40	0.30	6.60	
	30.00	45.00		1	15.00	4.40	4.50	4.45	0.30	20.03	
	45.00	60.00		1	15.00	4.50	4.55	4.53	0.30	20.36	
	60.00	75.00		1	15.00	4.55	4.25	4.40	0.30	19.80	
	75.00	90.00		1	15.00	4.25	4.20	4.23	0.30	19.01	
	90.00	105.00		1	15.00	4.20	4.60	4.40	0.30	19.80	
	105.00	120.00		1	15.00	4.60	5.15	4.88	0.30	21.94	
	120.00	135.00		1	15.00	5.15	5.25	5.20	0.30	23.40	
	135.00	138.80		1	3.80	5.25	5.20	5.23	0.30	5.96	29/6/20
										652.94	Cum

Contractor



Consultant

Shree. V. D.
Assistant Engineer

Assistant Executive Engineer

C.P.D.
Assistant Executive Engineer
Kodigehalli Sub Division
B&M, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	19th Cross Road										
	0.00	15.00		1	15.00	5.70	6.20	5.95	0.23	20.53	
	15.00	30.00		1	15.00	6.20	6.60	6.40	0.23	22.08	
	30.00	45.00		1	15.00	6.60	6.65	6.63	0.23	22.86	
	45.00	60.00		1	15.00	6.65	6.60	6.63	0.23	22.86	
	60.00	75.00		1	15.00	6.60	6.20	6.40	0.23	22.08	
	75.00	90.00		1	15.00	6.20	6.70	6.45	0.23	22.25	
	90.00	105.00		1	15.00	6.70	6.55	6.63	0.23	22.86	
	105.00	120.00		1	15.00	6.55	6.75	6.65	0.23	22.94	
	120.00	135.00		1	15.00	6.75	6.45	6.60	0.23	22.77	
	135.00	150.00		1	15.00	6.45	6.30	6.38	0.23	21.99	
	150.00	165.00		1	15.00	6.30	7.10	6.70	0.23	23.12	
	165.00	177.90		1	12.90	7.10	7.80	7.45	0.23	22.10	
	Approach Road										
	0.00	15.00		1	15.00	8.55	6.75	7.65	0.23	26.39	
	15.00	30.00		1	15.00	6.75	7.10	6.93	0.23	23.89	
	30.00	45.00		1	15.00	7.10	7.00	7.05	0.23	24.32	
	45.00	52.30		1	7.30	7.00	7.45	7.23	0.23	12.13	
	19th A Cross Road										
	0.00	15.00		1	15.00	4.55	4.25	4.40	0.23	15.18	
	15.00	25.00		1	10.00	4.25	4.40	4.33	0.23	9.95	
	25.00	30.00		1	5.00	4.40	4.40	4.40	0.23	5.06	
	30.00	45.00		1	15.00	4.40	4.50	4.45	0.23	15.35	
	45.00	60.00		1	15.00	4.50	4.55	4.53	0.23	15.61	
	60.00	75.00		1	15.00	4.55	4.25	4.40	0.23	15.18	
	75.00	90.00		1	15.00	4.25	4.20	4.23	0.23	14.58	
	90.00	105.00		1	15.00	4.20	4.60	4.40	0.23	15.18	
	105.00	120.00		1	15.00	4.60	5.15	4.88	0.23	16.82	
	120.00	135.00		1	15.00	5.15	5.25	5.20	0.23	17.94	
	135.00	138.80		1	3.80	5.25	5.20	5.23	0.23	4.57	30/6/2022
										500.58	Cum

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)										
	19th Cross Road										
	0.00	15.00		1	15.00	5.70	6.20	5.95		89.25	
	15.00	30.00		1	15.00	6.20	6.60	6.40		96.00	
	30.00	45.00		1	15.00	6.60	6.65	6.63		99.38	
	45.00	60.00		1	15.00	6.65	6.60	6.63		99.38	
	60.00	75.00		1	15.00	6.60	6.20	6.40		96.00	
	75.00	90.00		1	15.00	6.20	6.70	6.45		96.75	
	90.00	105.00		1	15.00	6.70	6.55	6.63		99.38	
	105.00	120.00		1	15.00	6.55	6.75	6.65		99.75	
	120.00	135.00		1	15.00	6.75	6.45	6.60		99.00	
	135.00	150.00		1	15.00	6.45	6.30	6.38		95.63	
	150.00	165.00		1	15.00	6.30	7.10	6.70		100.50	
	165.00	177.90		1	12.90	7.10	7.80	7.45		96.11	
	Approach Road										
	0.00	15.00		1	15.00	8.55	6.75	7.65		114.75	
	15.00	30.00		1	15.00	6.75	7.10	6.93		103.88	
	30.00	45.00		1	15.00	7.10	7.00	7.05		105.75	
	45.00	52.30		1	7.30	7.00	7.45	7.23		52.74	
	19th A Cross Road										
	0.00	15.00		1	15.00	4.55	4.25	4.40		66.00	
	15.00	25.00		1	10.00	4.25	4.40	4.33		43.25	
	25.00	30.00		1	5.00	4.40	4.40	4.40		22.00	
	30.00	45.00		1	15.00	4.40	4.50	4.45		66.75	
	45.00	60.00		1	15.00	4.50	4.55	4.53		67.88	
	60.00	75.00		1	15.00	4.55	4.25	4.40		66.00	
	75.00	90.00		1	15.00	4.25	4.20	4.23		63.38	
	90.00	105.00		1	15.00	4.20	4.60	4.40		66.00	
	105.00	120.00		1	15.00	4.60	5.15	4.88		73.13	
	120.00	135.00		1	15.00	5.15	5.25	5.20		78.00	
	135.00	138.80		1	3.80	5.25	5.20	5.23		19.86	11/7/2010
										2176.45	Sq-m

Contractor



Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
27.	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&I WTD SR 2016-17)										
	Jakkur Layout										
	13th A Cross Road										
	0.00	15.00		1	15.00	5.60	6.55	6.08		91.13	
	15.00	30.00		1	15.00	6.55	6.60	6.58		98.63	
	30.00	45.00		1	15.00	6.60	6.25	6.43		96.38	
	45.00	60.00		1	15.00	6.25	6.35	6.30		94.50	
	60.00	75.00		1	15.00	6.35	4.90	5.63		84.38	
	75.00	84.00		1	9.00	4.90	5.10	5.00		45.00	
	Ramp Asphalt 5*1.2			1	5.00			1.20		6.00	
	14th A Cross Road										
	0.00	15.00		1	15.00	7.70	5.60	6.65		99.75	
	15.00	30.00		1	15.00	5.60	5.55	5.58		83.63	
	30.00	45.00		1	15.00	5.55	5.90	5.73		85.88	
	45.00	60.00		1	15.00	5.90	6.45	6.18		92.63	
	60.00	68.00		1	8.00	6.45	4.75	5.60		44.80	
	Ramp Asphalt 7.3*2			1	7.30			2.00		14.60	12/7/2020
	15th A Cross Road										
	0.00	15.00		1	15.00	5.20	5.25	5.23		78.38	
	15.00	30.00		1	15.00	5.25	5.65	5.45		81.75	
	30.00	45.00		1	15.00	5.65	6.05	5.85		87.75	
	45.00	60.00		1	15.00	6.05	7.50	6.78		101.63	
	60.00	75.00		1	15.00	7.50	8.05	7.78		116.63	
	75.00	90.00		1	15.00	8.05	9.20	8.63		129.38	
	90.00	105.00		1	15.00	9.20	9.30	9.25		138.75	
	105.00	120.00		1	15.00	9.30	8.55	8.93		133.88	
	120.00	135.00		1	15.00	8.55	8.15	8.35		125.25	
	135.00	150.00		1	15.00	8.15	8.15	8.15		122.25	
	150.00	165.00		1	15.00	8.15	8.60	8.38		125.63	
	165.00	180.00		1	15.00	8.60	8.45	8.53		127.88	
	180.00	195.00		1	15.00	8.45	9.30	8.88		133.13	
	195.00	210.00		1	15.00	9.30	8.60	8.95		134.25	
	210.00	218.50		1	8.50	8.60	8.45	8.53		72.46	
	Ramp Asphalt 7.3*2			1	7.30			2.00		14.60	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura

In Ward NO.7, Dytarajyanagara											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	Hoysala samruddhi Appartments Road Opposite to 15th Cross A Road										
	0.00	15.00		1	15.00	6.20	5.15	5.68		85.13	✓
	15.00	30.00		1	15.00	5.15	4.70	4.93		73.88	✓
	30.00	45.00		1	15.00	4.70	4.60	4.65		69.75	✓
	45.00	47.30		1	2.30	4.60	4.60	4.60		10.58	✓
	Talakaveri Badavane 8th Cross Road										
	0.00	15.00		1	15.00	7.70	8.90	8.30		124.50	✓
	15.00	30.00		1	15.00	8.90	7.70	8.30		124.50	✓
	30.00	45.00		1	15.00	7.70	9.30	8.50		127.50	✓
	45.00	60.00		1	15.00	9.30	8.50	8.90		133.50	✓
	60.00	75.00		1	15.00	8.50	8.00	8.25		123.75	✓
	75.00	90.00		1	15.00	8.00	7.25	7.63		114.38	✓
	90.00	105.00		1	15.00	7.25	7.85	7.55		113.25	✓
	105.00	120.00		1	15.00	7.85	8.20	8.03		120.38	✓
	120.00	135.00		1	15.00	8.20	6.50	7.35		110.25	✓
	135.00	143.50		1	8.50	6.50	8.28	7.39		62.82	✓
	143.50	144.70		1	1.20	8.28	3.65	5.97		7.16	12/7/20
	16th A Cross Road										
	0.00	15.00		1	15.00	6.70	5.65	6.18		92.63	✓
	15.00	30.00		1	15.00	5.65	6.25	5.95		89.25	✓
	30.00	45.00		1	15.00	6.25	5.50	5.88		88.13	✓
	45.00	60.00		1	15.00	5.50	5.21	5.36		80.33	✓
	60.00	75.00		1	15.00	5.21	6.00	5.61		84.08	✓
	75.00	90.00		1	15.00	6.00	6.00	6.00		90.00	✓
	90.00	105.00		1	15.00	6.00	4.15	5.08		76.13	✓
	105.00	120.00		1	15.00	4.15	5.00	4.58		68.63	✓
	120.00	125.10		1	5.10	5.00	5.20	5.10		26.01	✓
	17th A Cross Road										
	0.00	15.00		1	15.00	4.70	6.45	5.58		83.63	✓
	15.00	27.50		1	12.50	6.45	5.65	6.05		75.63	✓
	Approach			1	1.50			5.00		7.50	✓
	18th A Cross Road										
	0.00	15.00		1	15.00	5.45	4.45	4.95		74.25	✓
	15.00	30.00		1	15.00	4.45	4.45	4.45		66.75	✓
	30.00	46.00		1	16.00	4.45	4.80	4.63		74.00	✓
	Approach Road										✓
	0.00	15.00		1	15.00	4.90	4.90	4.90		73.50	✓

Contractor



Consultant

Abhijit N.D.
Assistant Engineer

gss
Assistant Executive Engineer

Assistant Executive En.
Kodigehalli Sub Divis
BRMP, Bangalore

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
	15.00	30.00		1	15.00	4.90	5.05	4.98		74.63	✓
	30.00	45.00		1	15.00	5.05	4.90	4.98		74.63	✓
	45.00	60.00		1	15.00	4.90	4.70	4.80		72.00	✓
	60.00	75.00		1	15.00	4.70	4.90	4.80		72.00	✓
	75.00	90.00		1	15.00	4.90	5.25	5.08		76.13	✓
	90.00	100.50		1	10.50	5.25	5.35	5.30		55.65	12/7/20 ✓
										48.83	
									Total Qty	5637.58	Sqm ✓

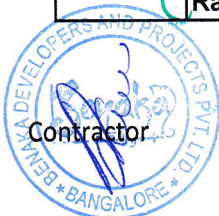

Consultant

D.M.Y. N.D
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).**Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura**

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&I WTD SR of 2016-17)										
	Tack Coat For BC										
	Jakkur Layout										
	13th A Cross Road										
	0.00	15.00		1	15.00	5.60	6.55	6.08		91.13	
	15.00	30.00		1	15.00	6.55	6.60	6.58		98.63	
	30.00	45.00		1	15.00	6.60	6.25	6.43		96.38	
	45.00	60.00		1	15.00	6.25	6.35	6.30		94.50	
	60.00	75.00		1	15.00	6.35	4.90	5.63		84.38	
	75.00	84.00		1	9.00	4.90	5.10	5.00		45.00	
	Ramp Asphalt 5*1.2			1	5.00			1.20		6.00	
	14th A Cross Road										
	0.00	15.00		1	15.00	7.70	5.60	6.65		99.75	
	15.00	30.00		1	15.00	5.60	5.55	5.58		83.63	
	30.00	45.00		1	15.00	5.55	5.90	5.73		85.88	
	45.00	60.00		1	15.00	5.90	6.45	6.18		92.63	
	60.00	68.00		1	8.00	6.45	4.75	5.60		44.80	
	Ramp Asphalt 7.3*2			1	7.30			2.00		14.60	WDP DEC 1994 23/6/20
	15th A Cross Road										
	0.00	15.00		1	15.00	5.20	5.25	5.23		78.38	
	15.00	30.00		1	15.00	5.25	5.65	5.45		81.75	
	30.00	45.00		1	15.00	5.65	6.05	5.85		87.75	
	45.00	60.00		1	15.00	6.05	7.50	6.78		101.63	
	60.00	75.00		1	15.00	7.50	8.05	7.78		116.63	
	75.00	90.00		1	15.00	8.05	9.20	8.63		129.38	
	90.00	105.00		1	15.00	9.20	9.30	9.25		138.75	
	105.00	120.00		1	15.00	9.30	8.55	8.93		133.88	
	120.00	135.00		1	15.00	8.55	8.15	8.35		125.25	
	135.00	150.00		1	15.00	8.15	8.15	8.15		122.25	
	150.00	165.00		1	15.00	8.15	8.60	8.38		125.63	
	165.00	180.00		1	15.00	8.60	8.45	8.53		127.88	
	180.00	195.00		1	15.00	8.45	9.30	8.88		133.13	
	195.00	210.00		1	15.00	9.30	8.60	8.95		134.25	
	210.00	218.50		1	8.50	8.60	8.45	8.53		72.46	
	Ramp Asphalt 7.3*2			1	7.30			2.00		14.60	



Contractor



Consultant

Amulya N.D.
Assistant Engineer

2660.84
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
Hoysala samruddhi Appartments Road Opposite to 15th Cross A Road											
	0.00	15.00		1	15.00	6.20	5.15	5.68		85.13	
	15.00	30.00		1	15.00	5.15	4.70	4.93		73.88	
	30.00	45.00		1	15.00	4.70	4.60	4.65		69.75	
	45.00	47.30		1	2.30	4.60	4.60	4.60		10.58	NDD DE (W)
Talakaveri Badavane 8th Cross Road											
	0.00	15.00		1	15.00	7.70	8.90	8.30		124.50	
	15.00	30.00		1	15.00	8.90	7.70	8.30		124.50	
	30.00	45.00		1	15.00	7.70	9.30	8.50		127.50	
	45.00	60.00		1	15.00	9.30	8.50	8.90		133.50	
	60.00	75.00		1	15.00	8.50	8.00	8.25		123.75	
	75.00	90.00		1	15.00	8.00	7.25	7.63		114.38	
	90.00	105.00		1	15.00	7.25	7.85	7.55		113.25	
	105.00	120.00		1	15.00	7.85	8.20	8.03		120.38	
	120.00	135.00		1	15.00	8.20	6.50	7.35		110.25	
	135.00	143.50		1	8.50	6.50	8.28	7.39		62.82	
	143.50	144.70		1	1.20	8.28	3.65	5.97		7.16	
16th A Cross Road											
	0.00	15.00		1	15.00	6.70	5.65	6.18		92.63	
	15.00	30.00		1	15.00	5.65	6.25	5.95		89.25	
	30.00	45.00		1	15.00	6.25	5.50	5.88		88.13	
	45.00	60.00		1	15.00	5.50	5.21	5.36		80.33	
	60.00	75.00		1	15.00	5.21	6.00	5.61		84.08	
	75.00	90.00		1	15.00	6.00	6.00	6.00		90.00	
	90.00	105.00		1	15.00	6.00	4.15	5.08		76.13	
	105.00	120.00		1	15.00	4.15	5.00	4.58		68.63	
	120.00	125.10		1	5.10	5.00	5.20	5.10		26.01	
17th A Cross Road											
	0.00	15.00		1	15.00	4.70	6.45	5.58		83.63	
	15.00	27.50		1	12.50	6.45	5.65	6.05		75.63	
	Approach			1	1.50			5.00		7.50	
18th A Cross Road											
	0.00	15.00		1	15.00	5.45	4.45	4.95		74.25	
	15.00	30.00		1	15.00	4.45	4.45	4.45		66.75	
	30.00	46.00		1	16.00	4.45	4.80	4.63		74.00	
Approach Road											



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divis
BBMP, Bangalore

Package No.02 (Package consists of 14 works).**Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura**

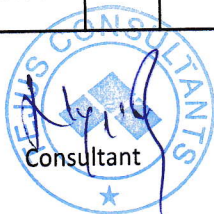
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
	0.00	15.00		1	15.00	4.90	4.90	4.90		73.50	
	15.00	30.00		1	15.00	4.90	5.05	4.98		74.63	
	30.00	45.00		1	15.00	5.05	4.90	4.98		74.63	
	45.00	60.00		1	15.00	4.90	4.70	4.80		72.00	
	60.00	75.00		1	15.00	4.70	4.90	4.80		72.00	
	75.00	90.00		1	15.00	4.90	5.25	5.08		76.13	
	90.00	100.50		1	10.50	5.25	5.35	5.30		55.65	
19th Cross Road											
	Ramp	8.35 x 2.25									
	0.00	15.00		1	15.00	5.70	6.20	5.95		89.25	
	15.00	30.00		1	15.00	6.20	6.60	6.40		96.00	
	30.00	45.00		1	15.00	6.60	6.65	6.63		99.38	
	45.00	60.00		1	15.00	6.65	6.60	6.63		99.38	
	60.00	75.00		1	15.00	6.60	6.20	6.40		96.00	
	75.00	90.00		1	15.00	6.20	6.70	6.45		96.75	
	90.00	105.00		1	15.00	6.70	6.55	6.63		99.38	
	105.00	120.00		1	15.00	6.55	6.75	6.65		99.75	
	120.00	135.00		1	15.00	6.75	6.45	6.60		99.00	
	135.00	150.00		1	15.00	6.45	6.30	6.38		95.63	
	150.00	165.00		1	15.00	6.30	7.10	6.70		100.50	
	165.00	177.90		1	12.90	7.10	7.80	7.45		96.11	
Approach Road											
	0.00	15.00		1	15.00	8.55	6.75	7.65		114.75	
	15.00	30.00		1	15.00	6.75	7.10	6.93		103.88	
	30.00	45.00		1	15.00	7.10	7.00	7.05		105.75	
	45.00	52.30		1	7.30	7.00	7.45	7.23		52.74	
19th A Cross Road											
	0.00	15.00		1	15.00	4.55	4.25	4.40		66.00	
	15.00	25.00		1	10.00	4.25	4.40	4.33		43.25	
	25.00	30.00		1	5.00	4.40	4.40	4.40		22.00	
	30.00	45.00		1	15.00	4.40	4.50	4.45		66.75	
	45.00	60.00		1	15.00	4.50	4.55	4.53		67.88	
	60.00	75.00		1	15.00	4.55	4.25	4.40		66.00	
	75.00	90.00		1	15.00	4.25	4.20	4.23		63.38	
	90.00	105.00		1	15.00	4.20	4.60	4.40		66.00	
	105.00	120.00		1	15.00	4.60	5.15	4.88		73.13	
	120.00	135.00		1	15.00	5.15	5.25	5.20		78.00	
	135.00	138.80		1	3.80	5.25	5.20	5.23		19.86	
Total Qty										7,814.03	Sqm



M.H.U. N.D.
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Bruhat Bengaluru Mahanagara Palike												
Byatarayanapura Division												
Job Code :-												
Name of Agency :- Benaka Developers & Project Pvt.Ltd.												
Bill No :- 4th & Part Bill												
Package No.02 (Package consists of 14 works).												
Name Of work :- Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura												
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage				B1	B2	Avg width					
Pre-Measurements Recorded on:-												
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWD SR 2016-17)											
	Qty vide Pre measurement sheet page no. (6)								477.90			
	Present Qnty to be Paid								477.90	Cu-m	217.12	1,03,761.65
Measurements Recorded on												
5	Removing and Resetting of Footpath Slab (P.No.265, I.No.37.56 of PW, P&IWD SR 2016-17)											
	Desilt											
	Jakkur Layout											
	13th A Cross Road											
	LHS											
	0.00	8.30	L/S	1	8.30			0.60	4.98			
	12.50	27.50	L/S	1	15.00			0.60	9.00			
	27.50	43.20	L/S	1	15.70			0.60	9.42			
	49.20	78.00	L/S	1	28.80			0.60	17.28			
	14th A Cross Road											
	LHS											
	0.00	8.00	L/S	1	8.00			1.20	9.60			
	58.00	68.00	L/S	1	10.00			0.60	6.00			
	RHS											
	0.00	8.00	R/S	1	8.00			1.20	9.60			
	8.00	17.00	R/S	1	9.00			0.60	5.40			
	58.00	68.00	R/S	1	10.00			0.60	6.00			
	15th A Cross Road											
	RHS											
	49.00	59.50	R/S	1	10.50			0.90	9.45			
	16th A Cross Road											
	LHS											
	66.00	74.00	L/S	1	8.00			0.75	6.00			
	RHS											
	20.00	31.00	R/S	1	11.00			0.75	8.25			
	56.00	62.00	R/S	1	6.00			0.75	4.50			
	72.00	87.00	R/S	1	15.00			0.75	11.25			
	87.00	98.00	R/S	1	11.00			0.75	8.25			
	106.00	109.00	R/S	1	3.00			0.75	2.25			
	19th Cross Road											
	LHS								127.23			



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).														
Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura														
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount	
	Chainage					B1	B2	Avg width						
	Pre-Measurements Recorded on:-													
	73.00	90.00	L/S	1	17.00			0.90		15.30				
	90.00	105.00	L/S	1	15.00			0.90		13.50				
	105.00	120.00	L/S	1	15.00			0.90		13.50				
	120.00	135.00	L/S	1	15.00			0.90		13.50				
	RHS													
	107.00	120.00	R/S	1	13.00			1.25		16.25				
	120.00	135.00	R/S	1	15.00			1.25		18.75				
	135.00	137.00	R/S	1	2.00			1.25		2.50				
	19th A Cross Road													
	LHS													
	66.00	75.00	L/S	1	9.00			1.00		9.00				
	RHS													
	66.00	84.00	R/S	1	18.00			1.00		18.00	120*30			
										247.53				
									Total Qty	247.53	Sq-m	141.78	35,094.80	
													116121	
6	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)													
	Qty vide Pre measurement sheet page no. (11)									1,371.51				
	Present Qty to be Paid									1,371.51	Sq-m	86.20	1,18,224.16	
7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)													
	Qty vide Pre measurement sheet page no. (14)									520.38				
	Present Qty to be Paid									520.38	Sq-m	712.28	3,70,656.27	
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R													
	Qty vide Pre measurement sheet page no. (15)									652.94				
	Present Qty to be Paid									652.94	Cum	176.29	1,15,106.04	79
	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqua l mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)													
25														
	Qty vide Pre measurement sheet page no. (16)									500.58				947022.00
	Present Qty to be Paid									500.58	Cum	1,891.85	9,47,029.98	

Contractor



Consultant

Assistant Engineer

Assistant Executive Engineer
 Assistant Executive Engineer
 Kodigehalli Sub Division
 BBMP, Bangalore

Package No.02 (Package consists of 14 works).													
Name Of work : - Improvements to roads and drains from JNC Circle to 14th Cross Road in Ward No.7,Byatarayanapura													
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Remarks	Rate	Amount	
	Chainage					B1	B2	Avg width					
	Pre-Measurements Recorded on:-												
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&I WTD SR 2016-17)												
	Qty vide Pre measurement sheet page no. (17)									2,176.45			
	Present Qnty to be Paid									2,176.45	Sq-m	29.49	64,183.58
27	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&I WTD SR 2016-17)												
	Qty vide Pre measurement sheet page no. (20)									5637.58			
	Present Qnty to be Paid									5637.58	Sqm	3.40	19,167.76
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&I WTD SR of 2016-17)												
	Qty vide Pre measurement sheet page no. (23)									7814.03			
	Present Qnty to be Paid									7,814.03	Sqm	13.61	1,06,348.92
30	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509. (P.No.165 of I.No.21.22.6 in PW,P&I WTD S.R 2016-17)												
	Jakkur Layout												
	13th A Cross Road												
	0.00	15.00		1	15.00	5.60	6.55	6.08	0.04	3.65			
	15.00	30.00		1	15.00	6.55	6.60	6.58	0.04	3.95			
	30.00	45.00		1	15.00	6.60	6.25	6.43	0.04	3.86			
	45.00	60.00		1	15.00	6.25	6.35	6.30	0.04	3.78			
	60.00	75.00		1	15.00	6.35	4.90	5.63	0.04	3.38			
	75.00	84.00		1	9.00	4.90	5.10	5.00	0.04	1.80			
	Ramp Asphalt 5*1.2			1	5.00			1.20	0.04	0.24			
	14th A Cross Road												
	0.00	15.00		1	15.00	7.70	5.60	6.65	0.04	3.99			

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage					B1	B2	Avg width					
Pre-Measurements Recorded on:-													
	15.00	30.00		1	15.00	5.60	5.55	5.58	0.04	3.35			
	30.00	45.00		1	15.00	5.55	5.90	5.73	0.04	3.44			
	45.00	60.00		1	15.00	5.90	6.45	6.18	0.04	3.71			
	60.00	68.00		1	8.00	6.45	4.75	5.60	0.04	1.79			
	Ramp Asphalt 7.3*2			1	7.30			2.00	0.04	0.58			
15th A Cross Road													
	0.00	15.00		1	15.00	5.20	5.25	5.23	0.04	3.14			
	15.00	30.00		1	15.00	5.25	5.65	5.45	0.04	3.27			
	30.00	45.00		1	15.00	5.65	6.05	5.85	0.04	3.51			
	45.00	60.00		1	15.00	6.05	7.50	6.78	0.04	4.07			
	60.00	75.00		1	15.00	7.50	8.05	7.78	0.04	4.67			
	75.00	90.00		1	15.00	8.05	9.20	8.63	0.04	5.18			
	90.00	105.00		1	15.00	9.20	9.30	9.25	0.04	5.55			
	105.00	120.00		1	15.00	9.30	8.55	8.93	0.04	5.36			
	120.00	135.00		1	15.00	8.55	8.15	8.35	0.04	5.01			
	135.00	150.00		1	15.00	8.15	8.15	8.15	0.04	4.89			
	150.00	165.00		1	15.00	8.15	8.60	8.38	0.04	5.03			
	165.00	180.00		1	15.00	8.60	8.45	8.53	0.04	5.12			
	180.00	195.00		1	15.00	8.45	9.30	8.88	0.04	5.33			
	195.00	210.00		1	15.00	9.30	8.60	8.95	0.04	5.37			
	210.00	218.50		1	8.50	8.60	8.45	8.53	0.04	2.90			
	Ramp Asphalt 7.3*2			1	7.30			2.00	0.04	0.58			
Hoysala samruddhi Appartments Road Opposite to 15th Cross A Road													
	0.00	15.00		1	15.00	6.20	5.15	5.68	0.04	3.41			
	15.00	30.00		1	15.00	5.15	4.70	4.93	0.04	2.96			
	30.00	45.00		1	15.00	4.70	4.60	4.65	0.04	2.79			
	45.00	47.30		1	2.30	4.60	4.60	4.60	0.04	0.42			
Talakaveri Badavane 8th Cross Road													
	0.00	15.00		1	15.00	7.70	8.90	8.30	0.04	4.98			
	15.00	30.00		1	15.00	8.90	7.70	8.30	0.04	4.98			
	30.00	45.00		1	15.00	7.70	9.30	8.50	0.04	5.10			
	45.00	60.00		1	15.00	9.30	8.50	8.90	0.04	5.34			
	60.00	75.00		1	15.00	8.50	8.00	8.25	0.04	4.95			
	75.00	90.00		1	15.00	8.00	7.25	7.63	0.04	4.58			
	90.00	105.00		1	15.00	7.25	7.85	7.55	0.04	4.53			
	105.00	120.00		1	15.00	7.85	8.20	8.03	0.04	4.82			
	120.00	135.00		1	15.00	8.20	6.50	7.35	0.04	4.41			
	135.00	143.50		1	8.50	6.50	8.28	7.39	0.04	2.51			
	143.50	144.70		1	1.20	8.28	3.65	5.97	0.04	0.29			
16th A Cross Road													
	0.00	15.00		1	15.00	6.70	5.65	6.18	0.04	3.71			
	15.00	30.00		1	15.00	5.65	6.25	5.95	0.04	3.57			

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage					B1	B2	Avg width					
Pre-Measurements Recorded on:-													
	30.00	45.00		1	15.00	6.25	5.50	5.88	0.04	3.53			
	45.00	60.00		1	15.00	5.50	5.21	5.36	0.04	3.21			
	60.00	75.00		1	15.00	5.21	6.00	5.61	0.04	3.36			
	75.00	90.00		1	15.00	6.00	6.00	6.00	0.04	3.60			
	90.00	105.00		1	15.00	6.00	4.15	5.08	0.04	3.05			
	105.00	120.00		1	15.00	4.15	5.00	4.58	0.04	2.75			
	120.00	125.10		1	5.10	5.00	5.20	5.10	0.04	1.04			
17th A Cross Road													
	0.00	15.00		1	15.00	4.70	6.45	5.58	0.04	3.35			
	15.00	27.50		1	12.50	6.45	5.65	6.05	0.04	3.03			
	Approach	0.00		1	1.50			5.00	0.04	0.30			
18th A Cross Road													
	0.00	15.00		1	15.00	5.45	4.45	4.95	0.04	2.97			
	15.00	30.00		1	15.00	4.45	4.45	4.45	0.04	2.67			
	30.00	46.00		1	16.00	4.45	4.80	4.63	0.04	2.96			
Approach Road													
	0.00	15.00		1	15.00	4.90	4.90	4.90	0.04	2.94			
	15.00	30.00		1	15.00	4.90	5.05	4.98	0.04	2.99			
	30.00	45.00		1	15.00	5.05	4.90	4.98	0.04	2.99			
	45.00	60.00		1	15.00	4.90	4.70	4.80	0.04	2.88			
	60.00	75.00		1	15.00	4.70	4.90	4.80	0.04	2.88			
	75.00	90.00		1	15.00	4.90	5.25	5.08	0.04	3.05			
	90.00	100.50		1	10.50	5.25	5.35	5.30	0.04	2.23			
19th Cross Road													
	0.00	15.00		1	15.00	5.70	6.20	5.95	0.04	3.57			
	15.00	30.00		1	15.00	6.20	6.60	6.40	0.04	3.84			
	30.00	45.00		1	15.00	6.60	6.65	6.63	0.04	3.98			
	45.00	60.00		1	15.00	6.65	6.60	6.63	0.04	3.98			
	60.00	75.00		1	15.00	6.60	6.20	6.40	0.04	3.84			
	75.00	90.00		1	15.00	6.20	6.70	6.45	0.04	3.87			
	90.00	105.00		1	15.00	6.70	6.55	6.63	0.04	3.98			
	105.00	120.00		1	15.00	6.55	6.75	6.65	0.04	3.99			
	120.00	135.00		1	15.00	6.75	6.45	6.60	0.04	3.96			
	135.00	150.00		1	15.00	6.45	6.30	6.38	0.04	3.83			
	150.00	165.00		1	15.00	6.30	7.10	6.70	0.04	4.02			
	165.00	177.90		1	12.90	7.10	7.80	7.45	0.04	3.84			
Approach Road													
	0.00	15.00		1	15.00	8.55	6.75	7.65	0.04	4.59			
	15.00	30.00		1	15.00	6.75	7.10	6.93	0.04	4.16			
	30.00	45.00		1	15.00	7.10	7.00	7.05	0.04	4.23			
	45.00	52.30		1	7.30	7.00	7.45	7.23	0.04	2.11			
19th A Cross Road													

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Eng
Kodigehalli Sub Divis
BMDP, Bangalore

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura

Contractor

Consultant

Mohd. N. D.
Assistant Engineer

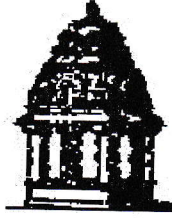
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BRMP, Bangalore

Name Of work : - Improvements to roads and drains from JNC Circle to Jakkur Double Road in Ward No.7,Byatarayanapura	
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Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore



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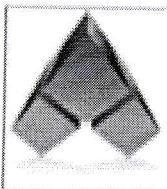
**BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION**

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to Roads and Drains
of Pampa Extension main road to Coffee board Layout
Main road(via From Canara Bank ATM and
Raghvendra Hotel Circle and Kuvempu road)in ward
No 07 Byatarayanapura

4th & PART BILL

MEASUREMENT BOOK



TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS

No.58 MIG, 6th Cross, 3rd Main

1st Stage, Basaveshwaranagar

Bangalore-560079

☎ 080 - 23287532

email: tejusconsultants@gmail.com

Bruhat Bengaluru Mahanagara Palike										
Byatarayanapura Division										
Job Code :-										
Name of Agency :- Benaka Developers & Project Pvt.Ltd.										
Bill No :- 4th & Part Bill										
Package No.02 (Package consists of 14 works).										
Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura										
BOQ Item No	Description	Side	Nos	Length	Width		Depth	Quantity	Remarks	
	Chainage				B1	B2	Avg width			
Pre-Measurements Recorded on:-										
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&I WTD SR 2016-17)									
Desilt										
Kuvempu Road Coffe Board Layout (Road)										
LHS										
	0.00	15.00	L/S	1	15.00		0.50	0.50	3.75	
	15.00	30.00	L/S	1	15.00		0.50	0.50	3.75	
	30.00	41.50	L/S	1	11.50		0.50	0.50	2.88	
	41.50	45.00	L/S	1	3.50		0.50	0.50	0.88	
	45.00	60.00	L/S	1	15.00		0.50	0.50	3.75	
	60.00	75.00	L/S	1	15.00		0.50	0.50	3.75	
	75.00	90.00	L/S	1	15.00		0.50	0.50	3.75	
	90.00	105.00	L/S	1	15.00		0.50	0.50	3.75	
	105.00	120.00	L/S	1	15.00		0.50	0.50	3.75	
	120.00	135.00	L/S	1	15.00		0.50	0.50	3.75	
	135.00	145.50	L/S	1	10.50		0.50	0.50	2.63	
	145.50	150.00	L/S	1	4.50		0.50	0.50	1.13	
	150.00	180.00	L/S	1	30.00		0.50	0.50	7.50	
	180.00	195.00	L/S	1	15.00		0.50	0.50	3.75	
	195.00	206.50	L/S	1	11.50		0.50	0.50	2.88	
	206.50	212.50	L/S	1	6.00		0.50	0.50	1.50	
	212.50	225.00	L/S	1	12.50		0.50	0.50	3.13	
	225.00	240.00	L/S	1	15.00		0.50	0.50	3.75	
	240.00	256.00	L/S	1	16.00		0.50	0.50	4.00	20/9/2020
RHS										
	0.00	15.00	R/S	1	15.00		0.50	0.50	3.75	
	15.00	30.00	R/S	1	15.00		0.50	0.50	3.75	
	30.00	41.50	R/S	1	11.50		0.50	0.50	2.88	
	41.50	45.00	R/S	1	3.50		0.50	0.50	0.88	
	45.00	60.00	R/S	1	15.00		0.50	0.50	3.75	
	60.00	75.00	R/S	1	15.00		0.50	0.50	3.75	



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	75.00	90.00	R/S	1	15.00			0.50	0.50	3.75	✓
	90.00	105.00	R/S	1	15.00			0.50	0.50	3.75	✓
	105.00	120.00	R/S	1	15.00			0.50	0.50	3.75	✓
	120.00	135.00	R/S	1	15.00			0.50	0.50	3.75	✓
	135.00	145.50	R/S	1	10.50			0.50	0.50	2.63	✓
	145.50	150.00	R/S	1	4.50			0.50	0.50	1.13	✓
	150.00	180.00	R/S	1	30.00			0.50	0.50	7.50	✓
	180.00	195.00	R/S	1	15.00			0.50	0.50	3.75	✓
	195.00	206.50	R/S	1	11.50			0.50	0.50	2.88	✓
	206.50	212.50	R/S	1	6.00			0.50	0.50	1.50	✓
	212.50	225.00	R/S	1	12.50			0.50	0.50	3.13	✓
	225.00	240.00	R/S	1	15.00			0.50	0.50	3.75	45.25
	240.00	256.00	R/S	1	16.00			0.50	0.50	4.00	21/9/2020
								Total Quantity		128.00	Cu-m



Abhijit N.D.
Assistant Engineer

G.P.
Assistant Executive Engineer
Assistant Executive Engi
Kodigehalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

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C/P ⊗
~~249/20~~



142.86
Assistant Executive Engineer
Assistant Executive Enr,
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
240	180.00	195.00	R/S	1	15.00	1.39	1.50	1.45	0.30	6.50	
210	195.00	210.00	R/S	1	15.00	1.50	1.60	1.55	0.30	6.98	
210	210.00	225.00	R/S	1	15.00	1.60	1.45	1.53	0.30	6.86	
225	225.00	240.00	R/S	1	15.00	1.45	1.55	1.50	0.30	6.75	33.57
240	240.00	256.00	R/S	1	16.00	1.55	1.15	1.35	0.30	6.48	22/9/20
								Total Quantity		176.43	Cum

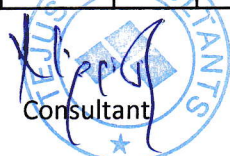


hmlly. u.d.
Assistant Engineer

CyD
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

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~~23/9/20~~



14.51
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
	195.00	210.00	R/S	1	15.00	1.50	1.60	1.55	0.23	5.35	
	210.00	225.00	R/S	1	15.00	1.60	1.45	1.53	0.23	5.26	
	225.00	240.00	R/S	1	15.00	1.45	1.55	1.50	0.23	5.18	
	240.00	256.00	R/S	1	16.00	1.55	1.15	1.35	0.23	4.97	
Total Quantity									135.26	Cum	



Contractor



Consultant

Amulya N.D.
Assistant Engineer

CyD
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BRMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)										
	Kuvempu Road										
	LHS										
	0.00	15.00	L/S	1	15.00	0.60	0.45	0.53		7.88	
	15.00	30.00	L/S	1	15.00	0.45	0.70	0.58		8.63	
	30.00	45.00	L/S	1	15.00	0.70	0.55	0.63		9.38	
	45.00	60.00	L/S	1	15.00	0.55	0.70	0.63		9.38	
	60.00	75.00	L/S	1	15.00	0.70	0.85	0.78		11.63	
	75.00	90.00	L/S	1	15.00	0.85	0.90	0.88		13.13	
	90.00	105.00	L/S	1	15.00	0.90	1.20	1.05		15.75	
	105.00	120.00	L/S	1	15.00	1.20	1.00	1.10		16.50	
	120.00	135.00	L/S	1	15.00	1.00	1.30	1.15		17.25	
	135.00	150.00	L/S	1	15.00	1.30	1.15	1.23		18.38	
	150.00	165.00	L/S	1	15.00	1.15	1.10	1.13		16.88	
	165.00	180.00	L/S	1	15.00	1.10	1.25	1.18		17.63	
	180.00	195.00	L/S	1	15.00	1.25	0.95	1.10		16.50	
	195.00	210.00	L/S	1	15.00	0.95	0.90	0.93		13.88	
	210.00	225.00	L/S	1	15.00	0.90	0.95	0.93		13.88	
	225.00	240.00	L/S	1	15.00	0.95	0.95	0.95		14.25	
	240.00	256.00	L/S	1	16.00	0.95	1.35	1.15		18.40	
	RHS										
	0.00	15.00	R/S	1	15.00	1.40	1.55	1.48		22.13	
	15.00	30.00	R/S	1	15.00	1.55	1.60	1.58		23.63	
	30.00	45.00	R/S	1	15.00	1.60	1.30	1.45		21.75	
	45.00	60.00	R/S	1	15.00	1.30	1.30	1.30		19.50	
	60.00	75.00	R/S	1	15.00	1.30	1.55	1.43		21.38	
	75.00	90.00	R/S	1	15.00	1.55	1.60	1.58		23.63	
	90.00	105.00	R/S	1	15.00	1.60	0.90	1.25		18.75	
	105.00	120.00	R/S	1	15.00	0.90	0.95	0.93		13.88	
	120.00	135.00	R/S	1	15.00	0.95	1.20	1.08		16.13	
	135.00	150.00	R/S	1	15.00	1.20	1.10	1.15		17.25	
	150.00	165.00	R/S	1	15.00	1.10	1.35	1.23		18.38	
	165.00	180.00	R/S	1	15.00	1.35	1.39	1.37		20.55	
	180.00	195.00	R/S	1	15.00	1.39	1.50	1.45		21.68	
	195.00	210.00	R/S	1	15.00	1.50	1.60	1.55		23.25	



Contractor



Consultant

Amuly N.D.
Assistant Engineer

52113

Assistant Executive Engineer,
Kodigehalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

4 Fe	210.00	225.00	R/S	1	15.00	1.60	1.45	1.53		22.88	
9 Fe	225.00	240.00	R/S	1	15.00	1.45	1.55	1.50		22.50	66.98
9 Fe	240.00	256.00	R/S	1	16.00	1.55	1.15	1.35		21.60	130.19/2020
23/9/20									Total Quantity	588.10	Sq-m



~~Assistant Engineer~~

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
27	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)										
	Kuvempu Road Coffe Board Layout (Road)										
	0.00	15.00		1	15.00	8.75	9.70	9.23		138.38	
	15.00	30.00		1	15.00	9.70	7.65	8.68		130.13	
	30.00	41.50		1	11.50	7.65	9.40	8.53		98.04	
	41.50	45.00		1	3.50	9.40	9.50	9.45		33.08	
	45.00	60.00		1	15.00	9.50	8.85	9.18		137.63	
	60.00	75.00		1	15.00	8.85	9.65	9.25		138.75	
	75.00	90.00		1	15.00	9.65	8.65	9.15		137.25	
	90.00	105.00		1	15.00	8.65	6.50	7.58		113.63	
	105.00	120.00		1	15.00	6.50	6.70	6.60		99.00	
	120.00	135.00		1	15.00	6.70	6.80	6.75		101.25	
	135.00	145.50		1	10.50	6.80	6.95	6.88		72.19	
	145.50	150.00		1	4.50	6.95	6.95	6.95		31.28	
	150.00	180.00		1	30.00	6.95	6.75	6.85		205.50	
	180.00	195.00		1	15.00	6.75	6.55	6.65		99.75	
	195.00	206.50		1	11.50	6.55	6.30	6.43		73.89	
	206.50	212.50		1	6.00	6.30	6.30	6.30		37.80	
	212.50	225.00		1	12.50	6.30	6.50	6.40		80.00	
	225.00	240.00		1	15.00	6.50	7.10	6.80		102.00	
	240.00	256.00		1	16.00	7.10	8.10	7.60		121.60	
						Deduction of Prime Coat (-)					
						Kuvempu Road Coffe Board Layout (Road)				-588.10	
								Total	1363.01	Sqm	



Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
B&M.P, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)										
	Tack Coat For DBM										
	Kuvempu Road							Avg B			
	LHS										
	0.00	15.00	L/S	1	15.00	0.60	0.45	0.53		7.88	
	15.00	30.00	L/S	1	15.00	0.45	0.70	0.58		8.63	
	30.00	45.00	L/S	1	15.00	0.70	0.55	0.63		9.38	
	45.00	60.00	L/S	1	15.00	0.55	0.70	0.63		9.38	
	60.00	75.00	L/S	1	15.00	0.70	0.85	0.78		11.63	
	75.00	90.00	L/S	1	15.00	0.85	0.90	0.88		13.13	
	90.00	105.00	L/S	1	15.00	0.90	1.20	1.05		15.75	
	105.00	120.00	L/S	1	15.00	1.20	1.00	1.10		16.50	
	120.00	135.00	L/S	1	15.00	1.00	1.30	1.15		17.25	
	135.00	150.00	L/S	1	15.00	1.30	1.15	1.23		18.38	
	150.00	165.00	L/S	1	15.00	1.15	1.10	1.13		16.88	
	165.00	180.00	L/S	1	15.00	1.10	1.25	1.18		17.63	
	180.00	195.00	L/S	1	15.00	1.25	0.95	1.10		16.50	
	195.00	210.00	L/S	1	15.00	0.95	0.90	0.93		13.88	
	210.00	225.00	L/S	1	15.00	0.90	0.95	0.93		13.88	
	225.00	240.00	L/S	1	15.00	0.95	0.95	0.95		14.25	
	240.00	256.00	L/S	1	16.00	0.95	1.35	1.15		18.40	
	RHS										
	0.00	15.00	R/S	1	15.00	1.40	1.55	1.48		22.13	
	15.00	30.00	R/S	1	15.00	1.55	1.60	1.58		23.63	
	30.00	45.00	R/S	1	15.00	1.60	1.30	1.45		21.75	
	45.00	60.00	R/S	1	15.00	1.30	1.30	1.30		19.50	
	60.00	75.00	R/S	1	15.00	1.30	1.55	1.43		21.38	
	75.00	90.00	R/S	1	15.00	1.55	1.60	1.58		23.63	
	90.00	105.00	R/S	1	15.00	1.60	0.90	1.25		18.75	
	105.00	120.00	R/S	1	15.00	0.90	0.95	0.93		13.88	
	120.00	135.00	R/S	1	15.00	0.95	1.20	1.08		16.13	
	135.00	150.00	R/S	1	15.00	1.20	1.10	1.15		17.25	
	150.00	165.00	R/S	1	15.00	1.10	1.35	1.23		18.38	
	165.00	180.00	R/S	1	15.00	1.35	1.39	1.37		20.55	
	180.00	195.00	R/S	1	15.00	1.39	1.50	1.45		21.68	



Contractor



Consultant

Ashwini N.D.
Assistant Engineer

499.88
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	195.00	210.00	R/S	1	15.00	1.50	1.60	1.55		23.25	✓
	210.00	225.00	R/S	1	15.00	1.60	1.45	1.53		22.88	✓
	225.00	240.00	R/S	1	15.00	1.45	1.55	1.50		22.50	✓
	240.00	256.00	R/S	1	16.00	1.55	1.15	1.35		21.60	✓
	Tack Coat For BC										
	Kuvempu Road Coffe Board Layout (Road)										
	0.00	15.00		1	15.00	8.75	9.70	9.23		138.38	✓
	15.00	30.00		1	15.00	9.70	7.65	8.68		130.13	✓
	30.00	41.50		1	11.50	7.65	9.40	8.53		98.04	✓
	41.50	45.00		1	3.50	9.40	9.50	9.45		33.08	✓
	45.00	60.00		1	15.00	9.50	8.85	9.18		137.63	✓
	60.00	75.00		1	15.00	8.85	9.65	9.25		138.75	✓
	75.00	90.00		1	15.00	9.65	8.65	9.15		137.25	✓
	90.00	105.00		1	15.00	8.65	6.50	7.58		113.63	✓
	105.00	120.00		1	15.00	6.50	6.70	6.60		99.00	✓
	120.00	135.00		1	15.00	6.70	6.80	6.75		101.25	✓
	135.00	145.50		1	10.50	6.80	6.95	6.88		72.19	✓
	145.50	150.00		1	4.50	6.95	6.95	6.95		31.28	✓
	150.00	180.00		1	30.00	6.95	6.75	6.85		205.50	✓
	180.00	195.00		1	15.00	6.75	6.55	6.65		99.75	✓
	195.00	206.50		1	11.50	6.55	6.30	6.43		73.89	✓
	206.50	212.50		1	6.00	6.30	6.30	6.30		37.80	✓
	212.50	225.00		1	12.50	6.30	6.50	6.40		80.00	✓
	225.00	240.00		1	15.00	6.50	7.10	6.80		102.00	✓
	240.00	256.00		1	16.00	7.10	8.10	7.60		121.60	✓



Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
29	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.165 of I.No.21.17.6 in PW,P&I WTD S.R 2016-17)										
	For DBM										
	Kuvempu Road										
	LHS										
	0.00	15.00	L/S	1	15.00	0.60	0.45	0.53	0.05	0.39	
	15.00	30.00	L/S	1	15.00	0.45	0.70	0.58	0.05	0.43	
	30.00	45.00	L/S	1	15.00	0.70	0.55	0.63	0.05	0.47	
	45.00	60.00	L/S	1	15.00	0.55	0.70	0.63	0.05	0.47	
	60.00	75.00	L/S	1	15.00	0.70	0.85	0.78	0.05	0.58	
	75.00	90.00	L/S	1	15.00	0.85	0.90	0.88	0.05	0.66	
	90.00	105.00	L/S	1	15.00	0.90	1.20	1.05	0.05	0.79	
	105.00	120.00	L/S	1	15.00	1.20	1.00	1.10	0.05	0.83	
	120.00	135.00	L/S	1	15.00	1.00	1.30	1.15	0.05	0.86	
	135.00	150.00	L/S	1	15.00	1.30	1.15	1.23	0.05	0.92	
	150.00	165.00	L/S	1	15.00	1.15	1.10	1.13	0.05	0.84	
	165.00	180.00	L/S	1	15.00	1.10	1.25	1.18	0.05	0.88	
	180.00	195.00	L/S	1	15.00	1.25	0.95	1.10	0.05	0.83	
	195.00	210.00	L/S	1	15.00	0.95	0.90	0.93	0.05	0.69	
	210.00	225.00	L/S	1	15.00	0.90	0.95	0.93	0.05	0.69	
	225.00	240.00	L/S	1	15.00	0.95	0.95	0.95	0.05	0.71	
	240.00	256.00	L/S	1	16.00	0.95	1.35	1.15	0.05	0.92	
	RHS										
	0.00	15.00	R/S	1	15.00	1.40	1.55	1.48	0.05	1.11	
	15.00	30.00	R/S	1	15.00	1.55	1.60	1.58	0.05	1.18	
	30.00	45.00	R/S	1	15.00	1.60	1.30	1.45	0.05	1.09	
	45.00	60.00	R/S	1	15.00	1.30	1.30	1.30	0.05	0.98	
	60.00	75.00	R/S	1	15.00	1.30	1.55	1.43	0.05	1.07	
	75.00	90.00	R/S	1	15.00	1.55	1.60	1.58	0.05	1.18	
	90.00	105.00	R/S	1	15.00	1.60	0.90	1.25	0.05	0.94	
	105.00	120.00	R/S	1	15.00	0.90	0.95	0.93	0.05	0.69	
	120.00	135.00	R/S	1	15.00	0.95	1.20	1.08	0.05	0.81	
	135.00	150.00	R/S	1	15.00	1.20	1.10	1.15	0.05	0.86	

Contractor

Consultant

Assistant Engineer

21.86

Assistant Executive Engineer
Kodigehalli Sub Division
BRMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	150.00	165.00	R/S	1	15.00	1.10	1.35	1.23	0.05	0.92	✓
FE 25/9/20	165.00	180.00	R/S	1	15.00	1.35	1.39	1.37	0.05	1.03	✓
	180.00	195.00	R/S	1	15.00	1.39	1.50	1.45	0.05	1.08	✓
	195.00	210.00	R/S	1	15.00	1.50	1.60	1.55	0.05	1.16	✓
	210.00	225.00	R/S	1	15.00	1.60	1.45	1.53	0.05	1.14	✓
	225.00	240.00	R/S	1	15.00	1.45	1.55	1.50	0.05	1.13	5.54
	240.00	256.00	R/S	1	16.00	1.55	1.15	1.35	0.05	1.08	25/9/20
								Total Qty	29.41	Cum	✓



Contractor



Consultant

Ammy N.D.
Assistant Engineer

C.D.
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

9

Bruhat Bengaluru Mahanagara Palike												
Bytarayanapura Division												
Job Code :-												
Name of Agency :- Benaka Developers & Project Pvt.Ltd.												
Bill No :- 4th & Part Bill												
Package No.02 (Package consists of 14 works).												
Name Of work :- Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura												
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage				B1	B2	Avg width					
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)											
	Qty vide Pre measurement sheet page no. 10								128.00			
	Present Qty to be Paid								128.00	Cu-m	217.12	27,791.36
Measurement Recorded on												
5	Removing and Resetting of Footpath Slab (P.No.265, I.No.37.56 of PW, P&IWTD SR 2016-17)											
	B.S Cover Slab											
	Kuvempu Road Coffe Board Layout (Road)											
	RHS											
	32.00	42.00	R/S	1	10.00			1.80	18.00			
	100.00	116.00	R/S	1	16.00			1.20	19.20			
	141.00	147.00	R/S	1	6.00			1.20	7.20			
	171.00	177.00	R/S	0	6.00				0.00			
	208.00	214.00	R/S	1	6.00			1.20	7.20			
	253.00	258.00	R/S	1	5.00			0.90	4.50			
									56.10	Sq-m	141.78	7,953.86
												16/21
Measurement Recorded on												
6	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)											
	B.S Cover Slab											
	Kuvempu Road Coffe Board Layout (Road)											
	LHS											
	0.00	15.00	L/S	1	15.00			0.90	13.50			
	15.00	30.00	L/S	1	15.00			0.90	13.50			
	30.00	41.50	L/S	1	11.50			0.90	10.35			
	41.50	45.00	L/S	1	3.50			0.90	3.15			
	45.00	60.00	L/S	1	15.00			0.90	13.50			
	60.00	75.00	L/S	1	15.00			0.90	13.50			
	75.00	95.00	L/S	1	20.00			0.90	18.00			
	95.00	105.00	L/S	1	10.00			1.00	10.00			
	105.00	120.00	L/S	1	15.00			1.00	15.00			
	120.00	135.00	L/S	1	15.00			1.00	15.00			
	135.00	145.50	L/S	1	10.50			1.00	10.50			
	145.50	147.00	L/S	1	1.50			1.00	1.50			
	147.00	180.00	L/S	1	33.00			0.90	29.70			
	180.00	195.00	L/S	1	15.00			0.90	13.50			
	195.00	206.50	L/S	1	11.50			0.90	10.35			
	206.50	208.00	L/S	1	1.50			0.90	1.35			
	208.00	215.00	L/S	0	7.00				0.00	cross road		

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

BBMP, Bangalore

Package No.02 (Package consists of 14 works).													
Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura													
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage					B1	B2	Avg width					
	RHS												
	0.00	15.00	R/S	1	15.00			0.90		13.50			
	15.00	32.00	R/S	1	17.00			0.90		15.30			
	32.00	42.00	R/S	0	10.00						Culvert		
	42.00	45.00	R/S	1	3.00			0.90		2.70			
	45.00	60.00	R/S	1	15.00			0.90		13.50			
	60.00	75.00	R/S	1	15.00			0.90		13.50			
	75.00	90.00	R/S	1	15.00			0.90		13.50			
	90.00	100.00	R/S	1	10.00			0.90		9.00			
	100.00	116.00	R/S	0	16.00					0.00	Culvert		
	116.00	135.00	R/S	1	19.00			0.90		17.10			
	135.00	141.00	R/S	1	6.00			0.90		5.40			
	141.00	147.00	R/S	0	6.00					0.00	Culvert		
	147.00	171.00	R/S	1	24.00			0.90		21.60			
	171.00	177.00	R/S	0	6.00					0.00	cross road		
	177.00	208.00	R/S	1	31.00			0.90		27.90			
	208.00	214.00	R/S	0	6.00					0.00	Culvert		
	214.00	225.00	R/S	1	11.00			1.20		13.20			
	225.00	232.00	R/S	1	7.00			1.20		8.40			
	232.00	253.00	R/S	1	21.00			0.90		18.90			
	253.00	258.00	R/S	0	5.00					0.00			
										385.90	Sq-m	86.20	33,264.58
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&I/WT D S.R 2016-17)											1161.21	
	Qty vide Pre measurement sheet page no (4)									176.43			
	Present Qnty to be Paid									176.43	Cum	176.29	31,102.84
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of												
	Qty vide Pre measurement sheet page no. (6)									135.26			2,55,892.00
	Present Qnty to be Paid									135.26	Cum	1,891.85	2,55,897.31
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgl/sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&I/WT D SR 2016-17)												
	Qty vide Pre measurement sheet page no. (8)									588.10			
	Present Qnty to be Paid									588.10	Sq-m	29.49	17,343.07



Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Divi
BBMP, Bangalor

Package No.02 (Package consists of 14 works).													
Name Of work : - Improvements to Roads and Drains of Pampa Extension main road and Board Layout													
Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu Road, ward No 07 Byatarayanapura													
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount	
	Chainage				B1	B2	Avg width						
27	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWD SR 2016-17)												
	Qty vide Pre measurement sheet page no. (9)								1363.01				
	Present Qnty to be Paid								1363.01	Sqm	3.40	4,634.24	
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWD SR of 2016-17)												
	Qty vide Pre measurement sheet page no. (11)								2539.21				
	Present Qnty to be Paid								2,539.21	Sqm	13.61	34,558.68	
29	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.165 of I.No.21.17.6 in PW,P&IWD S.R 2016-												
	Qty vide Pre measurement sheet page no. (13)								29.41			2,24058.00	
	Present Qnty to be Paid								29.41	Cum	7,618.42	2,24,019.64	
	Measurement Recorded on												
30	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWD S.R 2016-17)												
	Tack Coat For BC												
	Kuvempu Road Coffe Board Layout (Road)												
	0.00	15.00		1	15.00	8.75	9.70	9.23	0.04	5.54			
	15.00	30.00		1	15.00	9.70	7.65	8.68	0.04	5.21			
	30.00	41.50		1	11.50	7.65	9.40	8.53	0.04	3.92			
	41.50	45.00		1	3.50	9.40	9.50	9.45	0.04	1.32			
	45.00	60.00		1	15.00	9.50	8.85	9.18	0.04	5.51			
	60.00	75.00		1	15.00	8.85	9.65	9.25	0.04	5.55			
	75.00	90.00		1	15.00	9.65	8.65	9.15	0.04	5.49			
	90.00	105.00		1	15.00	8.65	6.50	7.58	0.04	4.55			
	105.00	120.00		1	15.00	6.50	6.70	6.60	0.04	3.96			
	120.00	135.00		1	15.00	6.70	6.80	6.75	0.04	4.05			
	135.00	145.50		1	10.50	6.80	6.95	6.88	0.04	2.89			
	145.50	150.00		1	4.50	6.95	6.95	6.95	0.04	1.25			
	150.00	180.00		1	30.00	6.95	6.75	6.85	0.04	8.22			
	180.00	195.00		1	15.00	6.75	6.55	6.65	0.04	3.99			

Contractor

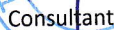
Consultant

Assistant-Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura							
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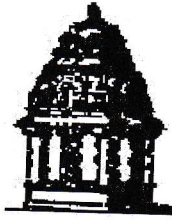
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Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore



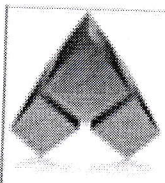
BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

4th & PART BILL

MEASUREMENT BOOK



TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS

No.58 MIG, 6th Cross, 3rd Main

1st Stage, Basaveshwaranagar

Bangalore-560079

☎ 080 - 23287532

email: tejusconsultants@gmail.com

Bruhat Bengaluru Mahanagara Palike											
Bytarayanapura Division											
Job Code :-											
Name of Agency :- Benaka Developers & Project Pvt.Ltd.											
Bill No :- 4th & Part Bill											
Package No.02 (Package consists of 14 works).											
Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	
	Chainage				B1	B2	Avg width				
Pre-Measurements Recorded on:-											
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&I WTD SR 2016-17)										
Desilt											
Mandi Mariyappa Reddy Road											
LHS											
	0.00	145.00	L/S	1	145.00			---	---	---	No Work
	145.00	160.00	L/S	1	15.00			0.50	0.50	3.75	
	160.00	175.00	L/S	1	15.00			0.50	0.50	3.75	
	175.00	178.00	L/S	1	3.00			0.50	0.50	0.75	
	178.00	186.00	L/S	1	8.00			---	---	---	No Work
	186.00	201.00	L/S	1	15.00			0.50	0.50	3.75	
	201.00	216.00	L/S	1	15.00			0.50	0.50	3.75	
	216.00	227.00	L/S	1	11.00			0.50	0.50	2.75	
	227.00	342.00	L/S	1	115.00			---	---	---	No Work
	342.00	357.00	L/S	1	15.00			0.50	0.50	3.75	
	357.00	372.00	L/S	1	15.00			0.50	0.50	3.75	
	372.00	387.00	L/S	1	15.00			0.50	0.50	3.75	
	387.00	402.00	L/S	1	15.00			0.50	0.50	3.75	
	402.00	417.00	L/S	1	15.00			0.50	0.50	3.75	
	417.00	432.00	L/S	1	15.00			0.50	0.50	3.75	
	432.00	447.00	L/S	1	15.00			0.50	0.50	3.75	
	447.00	462.00	L/S	1	15.00			0.50	0.50	3.75	
	462.00	477.00	L/S	1	15.00			0.50	0.50	3.75	
	477.00	492.00	L/S	1	15.00			0.50	0.50	3.75	
	492.00	507.00	L/S	1	15.00			0.50	0.50	3.75	
	507.00	516.00	L/S	1	9.00			0.50	0.50	2.25	
	516.00	523.00	L/S	1	7.00			---	---	---	No Work



Contractor



Consultants

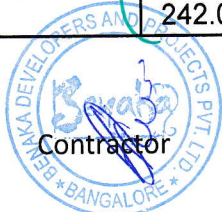
Amulya N.D.
Assistant Engineer

62.00
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	523.00	538.00	L/S	1	15.00			0.50	0.50	3.75	✓
	538.00	553.00	L/S	1	15.00			0.50	0.50	3.75	✓
	553.00	568.00	L/S	1	15.00			0.50	0.50	3.75	✓
	568.00	583.00	L/S	1	15.00			0.50	0.50	3.75	✓
	583.00	598.00	L/S	1	15.00			0.50	0.50	3.75	✓
	598.00	613.00	L/S	1	15.00			0.50	0.50	3.75	✓
	613.00	628.00	L/S	1	15.00			0.50	0.50	3.75	✓
	628.00	643.00	L/S	1	15.00			0.50	0.50	3.75	✓
	643.00	658.00	L/S	1	15.00			0.50	0.50	3.75	✓
	658.00	673.00	L/S	1	15.00			0.50	0.50	3.75	✓
	673.00	688.00	L/S	1	15.00			0.50	0.50	3.75	✓
	688.00	703.00	L/S	1	15.00			0.50	0.50	3.75	✓
	703.00	718.00	L/S	1	15.00			0.50	0.50	3.75	✓
	718.00	733.00	L/S	1	15.00			0.50	0.50	3.75	✓
	733.00	746.00	L/S	1	13.00			0.50	0.50	3.25	21/7/20
	RHS										
	0.00	15.00	R/S	1	15.00			0.50	0.50	3.75	✓
	15.00	30.00	R/S	1	15.00			0.50	0.50	3.75	✓
	30.00	45.00	R/S	1	15.00			0.50	0.50	3.75	✓
	45.00	60.00	R/S	1	15.00			0.50	0.50	3.75	✓
	60.00	75.00	R/S	1	15.00			0.50	0.50	3.75	✓
	75.00	86.00	R/S	1	11.00			0.50	0.50	2.75	✓
	86.00	90.00	R/S	1	4.00			---	---	---	No Work
	90.00	105.00	R/S	1	15.00			0.50	0.50	3.75	✓
	105.00	120.00	R/S	1	15.00			0.50	0.50	3.75	✓
	120.00	135.00	R/S	1	15.00			0.50	0.50	3.75	✓
	135.00	148.00	R/S	1	13.00			0.50	0.50	3.25	✓
	148.00	154.00	R/S	1	6.00			---	---	---	No Work
	154.00	169.00	R/S	1	15.00			0.50	0.50	3.75	✓
	169.00	184.00	R/S	1	15.00			0.50	0.50	3.75	✓
	184.00	199.00	R/S	1	15.00			0.50	0.50	3.75	✓
	199.00	214.00	R/S	1	15.00			0.50	0.50	3.75	✓
	214.00	229.00	R/S	1	15.00			0.50	0.50	3.75	✓
	229.00	237.00	R/S	1	8.00			0.50	0.50	2.00	✓
	237.00	242.00	R/S	1	5.00			---	---	---	No Work
	242.00	257.00	R/S	1	15.00			0.50	0.50	3.75	✓



Contractor



Consultants

Assistant Engineer

116.25
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	257.00	272.00	R/S	1	15.00			0.50	0.50	3.75	✓
	272.00	287.00	R/S	1	15.00			0.50	0.50	3.75	✓
	287.00	302.00	R/S	1	15.00			0.50	0.50	3.75	✓
	302.00	317.00	R/S	1	15.00			0.50	0.50	3.75	✓
	317.00	332.00	R/S	1	15.00			0.50	0.50	3.75	✓
	332.00	342.00	R/S	1	10.00			0.50	0.50	2.50	✓
	342.00	357.00	R/S	1	15.00			---	---	---	No Work
	357.00	372.00	R/S	1	15.00			0.50	0.50	3.75	✓
	372.00	387.00	R/S	1	15.00			0.50	0.50	3.75	✓
	387.00	402.00	R/S	1	15.00			0.50	0.50	3.75	✓
	402.00	417.00	R/S	1	15.00			0.50	0.50	3.75	✓
	417.00	432.00	R/S	1	15.00			0.50	0.50	3.75	✓
	432.00	447.00	R/S	1	15.00			0.50	0.50	3.75	✓
	447.00	462.00	R/S	1	15.00			0.50	0.50	3.75	✓
	462.00	477.00	R/S	1	15.00			0.50	0.50	3.75	✓
	477.00	487.00	R/S	1	10.00			---	---	---	No Work
	487.00	502.00	R/S	1	15.00			0.50	0.50	3.75	✓
	502.00	517.00	R/S	1	15.00			0.50	0.50	3.75	✓
	517.00	532.00	R/S	1	15.00			0.50	0.50	3.75	✓
	532.00	547.00	R/S	1	15.00			0.50	0.50	3.75	✓
	547.00	562.00	R/S	1	15.00			0.50	0.50	3.75	✓
	562.00	577.00	R/S	1	15.00			0.50	0.50	3.75	✓
	577.00	592.00	R/S	1	15.00			0.50	0.50	3.75	✓
	592.00	607.00	R/S	1	15.00			0.50	0.50	3.75	✓
	607.00	622.00	R/S	1	15.00			0.50	0.50	3.75	✓
	622.00	637.00	R/S	1	15.00			0.50	0.50	3.75	✓
	637.00	652.00	R/S	1	15.00			0.50	0.50	3.75	✓
	652.00	667.00	R/S	1	15.00			0.50	0.50	3.75	✓
	667.00	682.00	R/S	1	15.00			0.50	0.50	3.75	✓
	682.00	697.00	R/S	1	15.00			0.50	0.50	3.75	✓
	697.00	712.00	R/S	1	15.00			0.50	0.50	3.75	✓
	712.00	727.00	R/S	1	15.00			0.50	0.50	3.75	✓
	727.00	746.00	R/S	1	19.00			0.50	0.50	4.75	✓
										294.25	Cu-m



Amulya N.D.
Assistant Engineer

C.D.
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BRMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
6	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)										
	B.S Drain										
	Mandi Mariyappa Reddy Road										
	LHS										
	180.00	195.00	L/S	1	8.00			1.80		14.40	✓
	345.00	360.00	L/S	1	4.00			1.80		7.20	✓
	480.00	495.00	L/S	1	5.00			1.80		9.00	✓
	600.00	615.00	L/S	1	7.00			1.80		12.60	✓
	690.00	705.00	L/S	1	8.00			1.80		14.40	✓
	RHS										
	90.00	105.00	R/S	1	9.00			1.80		16.20	✓
	150.00	165.00	R/S	1	5.00			1.80		9.00	✓
	195.00	210.00	R/S	1	7.00			1.80		12.60	✓
	330.00	345.00	R/S	1	5.00			1.80		9.00	✓
	540.00	555.00	R/S	1	5.00			1.80		9.00	✓
	615.00	630.00	R/S	1	8.00			1.80		14.40	✓
	B.S Cover Slab										Mod 22/7/20
	Mandi Mariyappa Reddy Road										
	LHS										
	180.00	195.00	L/S	1	8.00			0.90		7.20	✓
	195.00	210.00	L/S	1	8.00			0.90		7.20	✓
	405.00	420.00	L/S	1	15.00			0.90		13.50	✓
	495.00	510.00	L/S	1	15.00			0.90		13.50	✓
	555.00	570.00	L/S	1	15.00			0.90		13.50	✓
	600.00	615.00	L/S	1	7.00			0.90		6.30	✓
	615.00	630.00	L/S	1	15.00			0.90		13.50	✓
	675.00	690.00	L/S	1	15.00			0.90		13.50	✓
	690.00	705.00	L/S	1	8.00			0.90		7.20	✓
	735.00	746.00	L/S	1	11.00			0.90		9.90	✓
	746.00	761.00	L/S	1	15.00			0.90		13.50	✓
	RHS										
	30.00	45.00	R/S	1	6.00			0.90		5.40	✓
	105.00	120.00	R/S	1	7.00			0.90		6.30	✓
	120.00	135.00	R/S	1	9.00			0.90		8.10	✓
	135.00	150.00	R/S	1	5.00			0.90		4.50	✓



Contractor



Consultants

M. N. D.
Assistant Engineer

200.9
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
2. Fe 10A 23/2/20	195.00	210.00	R/S	1	6.00			0.90		5.40	✓
	375.00	390.00	R/S	1	9.00			0.90		8.10	✓
	465.00	480.00	R/S	1	6.00			0.90		5.40	✓
	480.00	495.00	R/S	1	5.00			0.90		4.50	✓
	525.00	540.00	R/S	1	3.00			0.90		2.70	✓
	540.00	555.00	R/S	1	4.00			0.90		3.60	✓
	720.00	735.00	R/S	1	8.00			0.90		7.20	✓ 43.20
	735.00	750.00	R/S	1	7.00			0.90		6.30	✓ 23/2/20
										314.10	✓ Sq-m



Contractor



Consultants

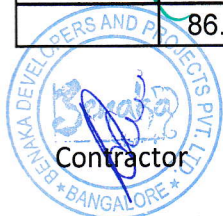
Asmuy.N.D.
Assistant Engineer

C.D.
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BMP Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&I WTD SR 2016-17)										
	B.S Drain										
	Mandi Mariyappa Reddy Road										
	LHS										
	0.00	145.00	L/S	1	145.00			---		---	No Work
	145.00	160.00	L/S	1	5.00			1.80		9.00	
	175.00	178.00	L/S	1	10.00			1.80		18.00	
	178.00	186.00	L/S	1	8.00			---		---	No Work
	201.00	216.00	L/S	1	8.00			1.80		14.40	
	216.00	227.00	L/S	1	10.00			1.80		18.00	
	227.00	342.00	L/S	1	115.00			---		---	No Work
	357.00	372.00	L/S	1	10.00			1.80		18.00	
	387.00	402.00	L/S	1	6.00			1.80		10.80	
	402.00	417.00	L/S	1	10.00			1.80		18.00	
	432.00	447.00	L/S	1	8.00			1.80		14.40	
	447.00	462.00	L/S	1	10.00			1.80		18.00	
	477.00	492.00	L/S	1	6.00			1.80		10.80	
	492.00	507.00	L/S	1	10.00			1.80		18.00	
	516.00	523.00	L/S	1	7.00			---		---	No Work
	523.00	538.00	L/S	1	6.00			1.80		10.80	
	553.00	568.00	L/S	1	8.00			1.80		14.40	
	568.00	583.00	L/S	1	10.00			1.80		18.00	
	613.00	628.00	L/S	1	8.00			1.80		14.40	
	643.00	658.00	L/S	1	6.00			1.80		10.80	
	673.00	688.00	L/S	1	9.00			1.80		16.20	
	718.00	733.00	L/S	1	7.00			1.80		12.60	
	733.00	746.00	L/S	1	8.00			1.80		14.40	
	RHS										
	0.00	15.00	R/S	1	5.00			1.80		9.00	
	15.00	30.00	R/S	1	6.00			1.80		10.80	
	30.00	45.00	R/S	1	7.00			1.80		12.60	
	60.00	75.00	R/S	1	9.00			1.80		16.20	
	75.00	86.00	R/S	1	7.00			1.80		12.60	
	86.00	90.00	R/S	0	4.00			---		---	No Work



Contractor



Consultants

Asst. Engr. N.D.
Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Divi.
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	90.00	105.00	R/S	1	8.00			1.80		14.40	
	105.00	120.00	R/S	1	10.00			1.80		18.00	
	135.00	148.00	R/S	1	10.00			1.80		18.00	
	148.00	154.00	R/S	1	8.00			---		---	No Work
	169.00	184.00	R/S	1	10.00			1.80		18.00	
	184.00	199.00	R/S	1	9.00			1.80		16.20	
	214.00	229.00	R/S	1	9.00			1.80		16.20	
	229.00	237.00	R/S	1	5.00			1.80		9.00	
	237.00	242.00	R/S	1	10.00			---		---	No Work
	257.00	272.00	R/S	1	8.00			1.80		14.40	
	287.00	302.00	R/S	1	10.00			1.80		18.00	
	317.00	332.00	R/S	1	7.00			1.80		12.60	
	342.00	357.00	R/S	1	15.00			---		---	No Work
	357.00	372.00	R/S	1	8.00			1.80		14.40	
	387.00	402.00	R/S	1	7.00			1.80		12.60	
	402.00	417.00	R/S	1	10.00			1.80		18.00	
	417.00	432.00	R/S	1	8.00			1.80		14.40	
	447.00	462.00	R/S	1	8.00			1.80		14.40	
	462.00	477.00	R/S	1	9.00			1.80		16.20	
	477.00	487.00	R/S	0	10.00			---		---	No Work
	487.00	502.00	R/S	1	8.00			1.80		14.40	
	502.00	517.00	R/S	1	7.00			1.80		12.60	
	547.00	562.00	R/S	1	8.00			1.80		14.40	
	577.00	592.00	R/S	1	8.00			1.80		14.40	
	592.00	607.00	R/S	1	7.00			1.80		12.60	
	607.00	622.00	R/S	1	6.00			1.80		10.80	
	637.00	652.00	R/S	1	8.00			1.80		14.40	
	652.00	667.00	R/S	1	8.00			1.80		14.40	
	667.00	682.00	R/S	1	8.00			1.80		14.40	
	682.00	697.00	R/S	1	9.00			1.80		16.20	
	712.00	727.00	R/S	1	5.00			1.80		9.00	
										732.60	Sq-m



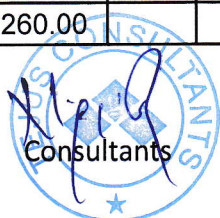
Dr. H. N. D.
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
RRMP, B.

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	7th Cross Road (Mandi Mariyappa Palya)										
	1.00	15.00		1	14.00	3.60	3.55	3.58	0.30	15.02	
	15.00	28.00		1	13.00	3.55	3.62	3.59	0.30	13.98	
	Road Cut Portion										
	3rd Main Road (Mandi Mariyappa Reddy Road)										
	0.00	15.00		1	15.00	3.50	3.40	3.45	0.30	15.53	
	15.00	30.00		1	15.00	3.40	4.85	4.13	0.30	18.56	
	30.00	33.50		1	3.50	4.85	4.85	4.85	0.30	5.09	
	33.50	45.00		1	11.50	4.85	1.85	3.35	0.30	11.56	
	45.00	53.50		1	8.50	1.85	3.24	2.55	0.30	6.49	
	53.50	57.00		1	3.50	3.24	4.35	3.80	0.30	3.98	
	57.00	66.00		1	9.00	4.35	3.95	4.15	0.30	11.21	
	66.00	74.00		1	8.00	3.95	4.10	4.03	0.30	9.66	
	74.00	75.50		1	1.50	4.10	9.00	6.55	0.30	2.95	
	75.50	93.00		1	17.50	9.00	9.00	9.00	0.30	47.25	
	93.00	93.50		1	0.50	9.00	6.00	7.50	0.30	1.13	
	93.50	108.50		1	15.00	6.00	8.00	7.00	0.30	31.50	
	108.50	117.50		1	9.00	8.00	8.00	8.00	0.30	21.60	
	117.50	132.50		1	15.00	8.00	9.20	8.60	0.30	38.70	
	132.50	138.50		1	6.00	9.20	9.20	9.20	0.30	16.56	
	138.50	153.50		1	15.00	9.20	9.00	9.10	0.30	40.95	
	153.50	168.50		1	15.00	9.00	8.50	8.75	0.30	39.38	
	168.50	180.50		1	12.00	8.50	7.00	7.75	0.30	27.90	
	180.50	195.50		1	15.00	7.00	6.00	6.50	0.30	29.25	
	195.50	210.50		1	15.00	6.00	5.50	5.75	0.30	25.88	
	210.50	225.00		1	14.50	5.50	3.50	4.50	0.30	19.58	
	225.00	229.00		1	4.00	3.50	5.20	4.35	0.30	5.22	
	229.00	230.00		1	1.00	5.20	3.20	4.20	0.30	1.26	
	230.00	245.00		1	15.00	3.20	3.60	3.40	0.30	15.30	
	245.00	260.00		1	15.00	3.60	4.00	3.80	0.30	17.10	



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	260.00	280.00		1	20.00	4.00	4.70	4.35	0.30	26.10	✓
	280.00	295.00		1	15.00	4.70	3.80	4.25	0.30	19.13	✓
	295.00	310.00		1	15.00	3.80	3.50	3.65	0.30	16.43	✓
	310.00	325.00		1	15.00	3.50	3.30	3.40	0.30	15.30	✓
	325.00	340.00		1	15.00	3.30	3.00	3.15	0.30	14.18	✓
	340.00	344.00		1	4.00	3.00	5.00	4.00	0.30	4.80	✓
	344.00	348.00		1	4.00	5.00	3.10	4.05	0.30	4.86	✓
	348.00	363.00		1	15.00	3.10	3.00	3.05	0.30	13.73	✓
	363.00	372.50		1	9.50	3.00	3.00	3.00	0.30	8.55	✓
	372.50	381.70		1	9.20	3.00	5.40	4.20	0.30	11.59	✓
	381.70	398.00		1	16.30	5.40	2.10	3.75	0.30	18.34	✓
	398.00	400.00		1	2.00	2.10	5.75	3.93	0.30	2.36	✓
	400.00	415.00		1	15.00	5.75	5.60	5.68	0.30	25.54	✓
	415.00	430.00		1	15.00	5.60	5.50	5.55	0.30	24.98	✓
	430.00	445.00		1	15.00	5.50	3.00	4.25	0.30	19.13	✓
	445.00	454.00		1	9.00	3.00	1.90	2.45	0.30	6.62	✓
	454.00	456.00		1	2.00	1.90	4.85	3.38	0.30	2.03	✓
	456.00	473.00		1	17.00	4.85	2.05	3.45	0.30	17.60	✓
	473.00	475.00		1	2.00	2.05	6.20	4.13	0.30	2.48	✓
	475.00	490.00		1	15.00	6.20	5.50	5.85	0.30	26.33	✓
	490.00	505.00		1	15.00	5.50	1.80	3.65	0.30	16.43	✓
	505.00	514.00		1	9.00	1.80	3.15	2.48	0.30	6.68	✓
	514.00	516.00		1	2.00	3.15	6.65	4.90	0.30	2.94	✓
	516.00	533.00		1	17.00	6.65	1.85	4.25	0.30	21.68	✓
	533.00	538.00		1	5.00	1.85	6.80	4.33	0.30	6.49	✓
	538.00	543.00		1	5.00	6.80	3.65	5.23	0.30	7.84	✓
	543.00	546.00		1	3.00	3.65	1.58	2.62	0.30	2.35	✓
	546.00	549.00		1	3.00	1.58	4.65	3.12	0.30	2.80	✓
	549.00	564.00		1	15.00	4.65	4.30	4.48	0.30	20.14	✓
	564.00	579.00		1	15.00	4.30	4.00	4.15	0.30	18.68	✓
	579.00	594.00		1	15.00	4.00	3.00	3.50	0.30	15.75	✓
	594.00	601.00		1	7.00	3.00	1.92	2.46	0.30	5.17	✓
	601.00	604.00		1	3.00	1.92	4.70	3.31	0.30	2.98	✓
	604.00	619.00		1	15.00	4.70	2.15	3.43	0.30	15.41	✓
	619.00	623.00		1	4.00	2.15	3.35	2.75	0.30	3.30	✓
	623.00	640.00		1	17.00	3.35	1.85	2.60	0.30	13.26	✓



Contractor



Consultants

ABINAV .ND.
Assistant Engineer

441.90
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	640.00	642.00		1	2.00	1.85	8.40	5.13	0.30	3.08	✓
	642.00	657.00		1	15.00	8.40	8.00	8.20	0.30	36.90	✓
	657.00	672.00		1	15.00	8.00	6.00	7.00	0.30	31.50	✓
	672.00	687.00		1	15.00	6.00	4.00	5.00	0.30	22.50	✓
	687.00	697.00		1	10.00	4.00	1.75	2.88	0.30	8.63	✓
4 ft	697.00	702.00		1	5.00	1.75	3.55	2.65	0.30	3.98	✓
✓	702.00	717.00		1	15.00	3.55	3.00	3.28	0.30	14.74	✓
✓	717.00	732.00		1	15.00	3.00	2.80	2.90	0.30	13.05	✓
26/7/20	732.00	747.00		1	15.00	2.80	2.00	2.40	0.30	10.80	✓
	747.00	754.00		1	7.00	2.00	1.60	1.80	0.30	3.78	✓
	754.00	769.00		1	15.00	1.60	2.80	2.20	0.30	9.90	✓
	769.00	784.00		1	15.00	2.80	2.50	2.65	0.30	11.93	✓
	784.00	792.00		1	8.00	2.50	1.95	2.23	0.30	5.34	181.78
	792.00	802.80		1	10.80	1.95	1.55	1.75	0.30	5.67	267.11
							Total Quantity			1,116.24	Cum



Contractor



Consultants

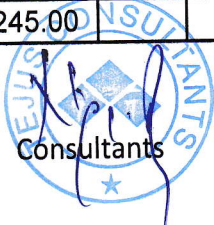
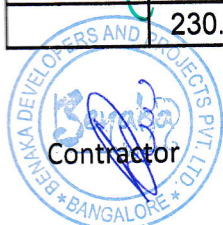
M. N. D.
Assistant Engineer

G. D.
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanial mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	7th Cross Road (Mandi Mariyappa Palya)										
	1.00	15.00		1	14.00	3.60	3.55	3.58	0.23	11.51	
	15.00	28.00		1	13.00	3.55	3.62	3.59	0.23	10.72	
	Road Cut Portion										
	3rd Main Road (Mandi Mariyappa Reddy Road)										
	0.00	15.00		1	15.00	3.50	3.40	3.45	0.23	11.90	
	15.00	30.00		1	15.00	3.40	4.85	4.13	0.23	14.23	
	30.00	33.50		1	3.50	4.85	4.85	4.85	0.23	3.90	
	33.50	45.00		1	11.50	4.85	1.85	3.35	0.23	8.86	
	45.00	53.50		1	8.50	1.85	3.24	2.55	0.23	4.98	
	53.50	57.00		1	3.50	3.24	4.35	3.80	0.23	3.05	
	57.00	66.00		1	9.00	4.35	3.95	4.15	0.23	8.59	
	66.00	74.00		1	8.00	3.95	4.10	4.03	0.23	7.41	
	74.00	75.50		1	1.50	4.10	9.00	6.55	0.23	2.26	
	75.50	93.00		1	17.50	9.00	9.00	9.00	0.23	36.23	
	93.00	93.50		1	0.50	9.00	6.00	7.50	0.23	0.86	
	93.50	108.50		1	15.00	6.00	8.00	7.00	0.23	24.15	
	108.50	117.50		1	9.00	8.00	8.00	8.00	0.23	16.56	
	117.50	132.50		1	15.00	8.00	9.20	8.60	0.23	29.67	
	132.50	138.50		1	6.00	9.20	9.20	9.20	0.23	12.70	
	138.50	153.50		1	15.00	9.20	9.00	9.10	0.23	31.40	
	153.50	168.50		1	15.00	9.00	8.50	8.75	0.23	30.19	
	168.50	180.50		1	12.00	8.50	7.00	7.75	0.23	21.39	
	180.50	195.50		1	15.00	7.00	6.00	6.50	0.23	22.43	
	195.50	210.50		1	15.00	6.00	5.50	5.75	0.23	19.84	
	210.50	225.00		1	14.50	5.50	3.50	4.50	0.23	15.01	
	225.00	229.00		1	4.00	3.50	5.20	4.35	0.23	4.00	
	229.00	230.00		1	1.00	5.20	3.20	4.20	0.23	0.97	
	230.00	245.00		1	15.00	3.20	3.60	3.40	0.23	11.73	



Amuly N.D.
Assistant Engineer

364.52
Amuly N.D.
Assistant Executive Engineer
Kodigehalli Sub Division
BRMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	245.00	260.00		1	15.00	3.60	4.00	3.80	0.23	13.11	✓
	260.00	280.00		1	20.00	4.00	4.70	4.35	0.23	20.01	✓
	280.00	295.00		1	15.00	4.70	3.80	4.25	0.23	14.66	✓
	295.00	310.00		1	15.00	3.80	3.50	3.65	0.23	12.59	✓
	310.00	325.00		1	15.00	3.50	3.30	3.40	0.23	11.73	✓
	325.00	340.00		1	15.00	3.30	3.00	3.15	0.23	10.87	✓
	340.00	344.00		1	4.00	3.00	5.00	4.00	0.23	3.68	✓
	344.00	348.00		1	4.00	5.00	3.10	4.05	0.23	3.73	✓
	348.00	363.00		1	15.00	3.10	3.00	3.05	0.23	10.52	✓
	363.00	372.50		1	9.50	3.00	3.00	3.00	0.23	6.56	✓
	372.50	381.70		1	9.20	3.00	5.40	4.20	0.23	8.89	✓
	381.70	398.00		1	16.30	5.40	2.10	3.75	0.23	14.06	✓
	398.00	400.00		1	2.00	2.10	5.75	3.93	0.23	1.81	✓
	400.00	415.00		1	15.00	5.75	5.60	5.68	0.23	19.58	✓
	415.00	430.00		1	15.00	5.60	5.50	5.55	0.23	19.15	✓
	430.00	445.00		1	15.00	5.50	3.00	4.25	0.23	14.66	✓
	445.00	454.00		1	9.00	3.00	1.90	2.45	0.23	5.07	✓
	454.00	456.00		1	2.00	1.90	4.85	3.38	0.23	1.55	✓
	456.00	473.00		1	17.00	4.85	2.05	3.45	0.23	13.49	✓
	473.00	475.00		1	2.00	2.05	6.20	4.13	0.23	1.90	✓
	475.00	490.00		1	15.00	6.20	5.50	5.85	0.23	20.18	✓
	490.00	505.00		1	15.00	5.50	1.80	3.65	0.23	12.59	✓
	505.00	514.00		1	9.00	1.80	3.15	2.48	0.23	5.12	✓
	514.00	516.00		1	2.00	3.15	6.65	4.90	0.23	2.25	✓
	516.00	533.00		1	17.00	6.65	1.85	4.25	0.23	16.62	✓
	533.00	538.00		1	5.00	1.85	6.80	4.33	0.23	4.97	✓
	538.00	543.00		1	5.00	6.80	3.65	5.23	0.23	6.01	✓
	543.00	546.00		1	3.00	3.65	1.58	2.62	0.23	1.80	✓
	546.00	549.00		1	3.00	1.58	4.65	3.12	0.23	2.15	✓
	549.00	564.00		1	15.00	4.65	4.30	4.48	0.23	15.44	✓
	564.00	579.00		1	15.00	4.30	4.00	4.15	0.23	14.32	✓
	579.00	594.00		1	15.00	4.00	3.00	3.50	0.23	12.08	✓
	594.00	601.00		1	7.00	3.00	1.92	2.46	0.23	3.96	✓
	601.00	604.00		1	3.00	1.92	4.70	3.31	0.23	2.28	✓
	604.00	619.00		1	15.00	4.70	2.15	3.43	0.23	11.82	✓
	619.00	623.00		1	4.00	2.15	3.35	2.75	0.23	2.53	✓



Amulya N.D.
Assistant Engineer

341.34
G.D.
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BMR Bangalore

Contractor



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&I WTD SR 2016-17)										
	7th Cross Road (Mandi Mariyappa Palya)										
	1.00	15.00		1	14.00	3.60	3.55	3.58		50.05	
	15.00	28.00		1	13.00	3.55	3.62	3.59		46.61	
	Road Cut Portion										
	3rd Main Road (Mandi Mariyappa Reddy Road)										
	0.00	15.00		1	15.00	3.50	3.40	3.45		51.75	
	15.00	30.00		1	15.00	3.40	4.85	4.13		61.88	
	30.00	33.50		1	3.50	4.85	4.85	4.85		16.98	
	33.50	45.00		1	11.50	4.85	1.85	3.35		38.53	
	45.00	53.50		1	8.50	1.85	3.24	2.55		21.63	
	53.50	57.00		1	3.50	3.24	4.35	3.80		13.28	
	57.00	66.00		1	9.00	4.35	3.95	4.15		37.35	
	66.00	74.00		1	8.00	3.95	4.10	4.03		32.20	
	74.00	75.50		1	1.50	4.10	9.00	6.55		9.83	
	75.50	93.00		1	17.50	9.00	9.00	9.00		157.50	
	93.00	93.50		1	0.50	9.00	6.00	7.50		3.75	
	93.50	108.50		1	15.00	6.00	8.00	7.00		105.00	
	108.50	117.50		1	9.00	8.00	8.00	8.00		72.00	
	117.50	132.50		1	15.00	8.00	9.20	8.60		129.00	
	132.50	138.50		1	6.00	9.20	9.20	9.20		55.20	
	138.50	153.50		1	15.00	9.20	9.00	9.10		136.50	
	153.50	168.50		1	15.00	9.00	8.50	8.75		131.25	
	168.50	180.50		1	12.00	8.50	7.00	7.75		93.00	
	180.50	195.50		1	15.00	7.00	6.00	6.50		97.50	
	195.50	210.50		1	15.00	6.00	5.50	5.75		86.25	
	210.50	225.00		1	14.50	5.50	3.50	4.50		65.25	
	225.00	229.00		1	4.00	3.50	5.20	4.35		17.40	
	229.00	230.00		1	1.00	5.20	3.20	4.20		4.20	
	230.00	245.00		1	15.00	3.20	3.60	3.40		51.00	
	245.00	260.00		1	15.00	3.60	4.00	3.80		57.00	

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Kodichalli Sub Division

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
	260.00	280.00		1	20.00	4.00	4.70	4.35		87.00	
	280.00	295.00		1	15.00	4.70	3.80	4.25		63.75	01/7/2020
	295.00	310.00		1	15.00	3.80	3.50	3.65		54.75	
	310.00	325.00		1	15.00	3.50	3.30	3.40		51.00	
	325.00	340.00		1	15.00	3.30	3.00	3.15		47.25	
	340.00	344.00		1	4.00	3.00	5.00	4.00		16.00	
	344.00	348.00		1	4.00	5.00	3.10	4.05		16.20	
	348.00	363.00		1	15.00	3.10	3.00	3.05		45.75	
	363.00	372.50		1	9.50	3.00	3.00	3.00		28.50	
	372.50	381.70		1	9.20	3.00	5.40	4.20		38.64	
	381.70	398.00		1	16.30	5.40	2.10	3.75		61.13	
	398.00	400.00		1	2.00	2.10	5.75	3.93		7.85	
	400.00	415.00		1	15.00	5.75	5.60	5.68		85.13	
	415.00	430.00		1	15.00	5.60	5.50	5.55		83.25	
	430.00	445.00		1	15.00	5.50	3.00	4.25		63.75	
	445.00	454.00		1	9.00	3.00	1.90	2.45		22.05	
	454.00	456.00		1	2.00	1.90	4.85	3.38		6.75	
	456.00	473.00		1	17.00	4.85	2.05	3.45		58.65	
	473.00	475.00		1	2.00	2.05	6.20	4.13		8.25	
	475.00	490.00		1	15.00	6.20	5.50	5.85		87.75	
	490.00	505.00		1	15.00	5.50	1.80	3.65		54.75	
	505.00	514.00		1	9.00	1.80	3.15	2.48		22.28	
	514.00	516.00		1	2.00	3.15	6.65	4.90		9.80	
	516.00	533.00		1	17.00	6.65	1.85	4.25		72.25	
	533.00	538.00		1	5.00	1.85	6.80	4.33		21.63	
	538.00	543.00		1	5.00	6.80	3.65	5.23		26.13	
	543.00	546.00		1	3.00	3.65	1.58	2.62		7.85	
	546.00	549.00		1	3.00	1.58	4.65	3.12		9.35	
	549.00	564.00		1	15.00	4.65	4.30	4.48		67.13	
	564.00	579.00		1	15.00	4.30	4.00	4.15		62.25	
	579.00	594.00		1	15.00	4.00	3.00	3.50		52.50	
	594.00	601.00		1	7.00	3.00	1.92	2.46		17.22	
	601.00	604.00		1	3.00	1.92	4.70	3.31		9.93	
	604.00	619.00		1	15.00	4.70	2.15	3.43		51.38	
	619.00	623.00		1	4.00	2.15	3.35	2.75		11.00	
	623.00	640.00		1	17.00	3.35	1.85	2.60		44.20	

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	640.00	642.00		1	2.00	1.85	8.40	5.13		10.25	
	642.00	657.00		1	15.00	8.40	8.00	8.20		123.00	
	657.00	672.00		1	15.00	8.00	6.00	7.00		105.00	
	672.00	687.00		1	15.00	6.00	4.00	5.00		75.00	
	687.00	697.00		1	10.00	4.00	1.75	2.88		28.75	
	697.00	702.00		1	5.00	1.75	3.55	2.65		13.25	
	702.00	717.00		1	15.00	3.55	3.00	3.28		49.13	
	717.00	732.00		1	15.00	3.00	2.80	2.90		43.50	
	732.00	747.00		1	15.00	2.80	2.00	2.40		36.00	
	747.00	754.00		1	7.00	2.00	1.60	1.80		12.60	
	754.00	769.00		1	15.00	1.60	2.80	2.20		33.00	
	769.00	784.00		1	15.00	2.80	2.50	2.65		39.75	
	784.00	792.00		1	8.00	2.50	1.95	2.23		17.80	
	792.00	802.80		1	10.80	1.95	1.55	1.75		18.90	
							Total Quantity			3,720.80	Sq-m



Contractor



Consultants

Amey. N.D.
Assistant Engineer

CPS
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BRMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
27	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)										
	3rd Main Road Mariyappa Reddy										
	0.00	15.00		1	15.00	4.20	4.85	4.53		67.88	✓
	15.00	30.00		1	15.00	4.85	5.30	5.08		76.14	✓
	30.00	45.00		1	15.00	5.30	6.60	5.95		89.27	✓
	45.00	60.00		1	15.00	6.60	6.45	6.53		97.88	✓
	60.00	75.00		1	15.00	6.45	6.25	6.35		95.25	✓
	75.00	90.00		1	15.00	6.25	9.30	7.78		116.63	✓
	90.00	105.00		1	15.00	9.30	8.80	9.05		135.75	✓
	105.00	120.00		1	15.00	8.80	10.50	9.65		144.75	✓
	120.00	135.00		1	15.00	10.50	9.60	10.05		150.75	✓
	135.00	150.00		1	15.00	9.60	6.30	7.95		119.25	✓
	150.00	165.00		1	15.00	6.30	7.50	6.90		103.50	✓
	165.00	180.00		1	15.00	7.50	8.60	8.05		120.75	✓
	180.00	195.00		1	15.00	8.60	7.15	7.88		118.13	✓
	195.00	210.00		1	15.00	7.15	7.25	7.20		108.00	✓
	210.00	225.00		1	15.00	7.25	7.50	7.38		110.63	✓
	225.00	240.00		1	15.00	7.50	6.15	6.83		102.38	✓
	240.00	255		1	15.00	6.15	5.60	5.88		88.13	✓
	255.00	260.00		1	5.00	5.60	11.10	8.35		41.75	✓
	260.00	266.00		1	6.00	11.10	11.15	11.13		66.75	✓
	266.00	270.00		1	4.00	11.15	5.50	8.33		33.30	✓
	270.00	285.00		1	15.00	5.50	6.10	5.80		87.00	✓
	285.00	300.00		1	15.00	6.10	7.20	6.65		99.75	✓
	300.00	315.00		1	15.00	7.20	7.10	7.15		107.25	✓
	315.00	330.00		1	15.00	7.10	8.50	7.80		117.00	✓
	330.00	345.00		1	15.00	8.50	8.15	8.33		124.88	✓
	345.00	360.00		1	15.00	8.15	8.10	8.13		121.88	✓
	360.00	375.00		1	15.00	8.10	8.00	8.05		120.75	✓
	375.00	390.00		1	15.00	8.00	9.40	8.70		130.50	✓
	390.00	405.00		1	15.00	9.40	9.40	9.40		141.00	✓



Amur N.D.
Assistant Engineer

3036.83
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
c4/c5 22/9/20	405.00	420.00		1	15.00	9.40	7.40	8.40		126.00	✓
	420.00	435.00		1	15.00	7.40	8.80	8.10		121.50	✓
	435.00	450.00		1	15.00	8.80	8.40	8.60		129.00	✓
	450.00	465.00		1	15.00	8.40	8.25	8.33		124.88	✓
	465.00	480.00		1	15.00	8.25	9.90	9.08		136.13	✓
	480.00	495.00		1	15.00	9.90	8.40	9.15		137.25	✓
	495.00	510.00		1	15.00	8.40	7.40	7.90		118.50	✓
	510.00	525.00		1	15.00	7.40	8.40	7.90		118.50	✓
	525.00	540.00		1	15.00	8.40	9.45	8.93		133.88	✓
	540.00	555.00		1	15.00	9.45	8.60	9.03		135.38	✓
	555.00	570.00		1	15.00	8.60	9.00	8.80		132.00	✓
	570.00	585.00		1	15.00	9.00	9.15	9.08		136.13	✓
	585.00	600.00		1	15.00	9.15	8.85	9.00		135.00	✓
	600.00	615.00		1	15.00	8.85	8.60	8.73		130.88	✓
	615.00	630.00		1	15.00	8.60	8.45	8.53		127.88	✓
	630.00	645.00		1	15.00	8.45	9.15	8.80		132.00	✓
	645.00	660.00		1	15.00	9.15	8.60	8.88		133.13	✓
	660.00	675.00		1	15.00	8.60	8.65	8.63		129.38	✓
	675.00	690.00		1	15.00	8.65	8.25	8.45		126.75	✓
	690.00	705.00		1	15.00	8.25	8.60	8.43		126.38	✓
705.00	720.00		1	15.00	8.60	8.75	8.68		130.13	✓	
720.00	735.00		1	15.00	8.75	8.50	8.63		129.38	✓	
735.00	750.00		1	15.00	8.50	8.50	8.50		127.50	✓	
750.00	765.00		1	15.00	8.50	8.50	8.50		127.50	✓	
765.00	772.50		1	7.50	8.50	9.10	8.80		66.00	22/9/20 ✓	
3rd Main Road Mariyanna Palya Continue From (Himagiri Complex)- Road											
c4/c5 22/9/20	0.00	10.00		1	10.00	9.00	9.80	9.40		94.00	✓
	10.00	15.00		1	5.00	9.80	9.60	9.70		48.50	✓
	15.00	30.00		1	15.00	9.60	9.10	9.35		140.25	✓
	30.00	45.00		1	15.00	9.10	8.25	8.68		130.13	✓
	45.00	60.00		1	15.00	8.25	9.05	8.65		129.75	✓
	60.00	73.00		1	13.00	9.05	9.00	9.03		117.33	✓
	73.00	79.00		1	6.00	9.00	8.60	8.80		52.80	✓
	79.00	90.00		1	11.00	8.60	8.00	8.30		91.30	✓
90.00	105.00		1	15.00	8.00	6.40	7.20		108.00	✓	
105.00	120.00		1	15.00	6.40	5.10	5.75		86.25	✓	



Amuly N.D.
Assistant Engineer

4169.30
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

Ward No.11, Dytarayanaipura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	120.00	135.00		1	15.00	5.10	5.50	5.30		79.50	✓
	135.00	150.00		1	15.00	5.50	5.50	5.50		82.50	✓
C4A	150.00	165.00		1	15.00	5.50	5.50	5.50		82.50	✓
Cp	165.00	180.00		1	15.00	5.50	5.70	5.60		84.00	✓
22/9/20	180.00	195.00		1	15.00	5.70	5.75	5.73		85.88	✓
	195.00	210.00		1	15.00	5.75	5.80	5.78		86.63	✓ 82.
	210.00	225.00		1	15.00	5.80	5.10	5.45		81.75	✓ 22/9/20
					Deduction of Prime Coat (-)						
					3rd Main Road Mariyappa Reddy					-3624.15	✓
									Total	4164.74	Sqm ✓



M. N. D.
Assistant Engineer

C. P. S.
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BRAB, Bengal

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)										
	Tack Coat For DBM										
	7th Cross Road (Mandi Mariyappa Palya)										
	1.00	15.00		1	14.00	3.60	3.55	3.58		50.05	
	15.00	28.00		1	13.00	3.55	3.62	3.59		46.61	
	Road Cut Portion										
	3rd Main Road (Mandi Mariyappa Reddy Road)										
	0.00	15.00		1	15.00	3.50	3.40	3.45		51.75	
	15.00	30.00		1	15.00	3.40	4.85	4.13		61.88	
	30.00	33.50		1	3.50	4.85	4.85	4.85		16.98	
	33.50	45.00		1	11.50	4.85	1.85	3.35		38.53	
	45.00	53.50		1	8.50	1.85	3.24	2.55		21.63	
	53.50	57.00		1	3.50	3.24	4.35	3.80		13.28	
	57.00	66.00		1	9.00	4.35	3.95	4.15		37.35	
	66.00	74.00		1	8.00	3.95	4.10	4.03		32.20	
	74.00	75.50		1	1.50	4.10	9.00	6.55		9.83	
	75.50	93.00		1	17.50	9.00	9.00	9.00		157.50	
	93.00	93.50		1	0.50	9.00	6.00	7.50		3.75	
	93.50	108.50		1	15.00	6.00	8.00	7.00		105.00	
	108.50	117.50		1	9.00	8.00	8.00	8.00		72.00	
	117.50	132.50		1	15.00	8.00	9.20	8.60		129.00	
	132.50	138.50		1	6.00	9.20	9.20	9.20		55.20	
	138.50	153.50		1	15.00	9.20	9.00	9.10		136.50	
	153.50	168.50		1	15.00	9.00	8.50	8.75		131.25	
	168.50	180.50		1	12.00	8.50	7.00	7.75		93.00	
	180.50	195.50		1	15.00	7.00	6.00	6.50		97.50	
	195.50	210.50		1	15.00	6.00	5.50	5.75		86.25	
	210.50	225.00		1	14.50	5.50	3.50	4.50		65.25	
	225.00	229.00		1	4.00	3.50	5.20	4.35		17.40	
	229.00	230.00		1	1.00	5.20	3.20	4.20		4.20	
	230.00	245.00		1	15.00	3.20	3.60	3.40		51.00	



Abhijit N.D.
Assistant Engineer

1584.87
C/A
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	245.00	260.00		1	15.00	3.60	4.00	3.80		57.00	✓
	260.00	280.00		1	20.00	4.00	4.70	4.35		87.00	✓
	280.00	295.00		1	15.00	4.70	3.80	4.25		63.75	✓
	295.00	310.00		1	15.00	3.80	3.50	3.65		54.75	✓
	310.00	325.00		1	15.00	3.50	3.30	3.40		51.00	✓
	325.00	340.00		1	15.00	3.30	3.00	3.15		47.25	✓
	340.00	344.00		1	4.00	3.00	5.00	4.00		16.00	✓
	344.00	348.00		1	4.00	5.00	3.10	4.05		16.20	✓
	348.00	363.00		1	15.00	3.10	3.00	3.05		45.75	✓
	363.00	372.50		1	9.50	3.00	3.00	3.00		28.50	✓
	372.50	381.70		1	9.20	3.00	5.40	4.20		38.64	✓
	381.70	398.00		1	16.30	5.40	2.10	3.75		61.13	✓
	398.00	400.00		1	2.00	2.10	5.75	3.93		7.85	✓
	400.00	415.00		1	15.00	5.75	5.60	5.68		85.13	✓
	415.00	430.00		1	15.00	5.60	5.50	5.55		83.25	✓
	430.00	445.00		1	15.00	5.50	3.00	4.25		63.75	✓
	445.00	454.00		1	9.00	3.00	1.90	2.45		22.05	✓
	454.00	456.00		1	2.00	1.90	4.85	3.38		6.75	✓
	456.00	473.00		1	17.00	4.85	2.05	3.45		58.65	✓
	473.00	475.00		1	2.00	2.05	6.20	4.13		8.25	✓
	475.00	490.00		1	15.00	6.20	5.50	5.85		87.75	✓
	490.00	505.00		1	15.00	5.50	1.80	3.65		54.75	✓
	505.00	514.00		1	9.00	1.80	3.15	2.48		22.28	✓
	514.00	516.00		1	2.00	3.15	6.65	4.90		9.80	✓
	516.00	533.00		1	17.00	6.65	1.85	4.25		72.25	✓
	533.00	538.00		1	5.00	1.85	6.80	4.33		21.63	✓
	538.00	543.00		1	5.00	6.80	3.65	5.23		26.13	✓
	543.00	546.00		1	3.00	3.65	1.58	2.62		7.85	✓
	546.00	549.00		1	3.00	1.58	4.65	3.12		9.35	✓
	549.00	564.00		1	15.00	4.65	4.30	4.48		67.13	✓
	564.00	579.00		1	15.00	4.30	4.00	4.15		62.25	✓
	579.00	594.00		1	15.00	4.00	3.00	3.50		52.50	✓
	594.00	601.00		1	7.00	3.00	1.92	2.46		17.22	✓
	601.00	604.00		1	3.00	1.92	4.70	3.31		9.93	✓
	604.00	619.00		1	15.00	4.70	2.15	3.43		51.38	✓
	619.00	623.00		1	4.00	2.15	3.35	2.75		11.00	✓

Contractor

Consultants

M.H.U.N.D.
Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
C4R C/S 11/9/20	623.00	640.00		1	17.00	3.35	1.85	2.60		44.20	✓
	640.00	642.00		1	2.00	1.85	8.40	5.13		10.25	✓
	642.00	657.00		1	15.00	8.40	8.00	8.20		123.00	✓
	657.00	672.00		1	15.00	8.00	6.00	7.00		105.00	✓
	672.00	687.00		1	15.00	6.00	4.00	5.00		75.00	✓
	687.00	697.00		1	10.00	4.00	1.75	2.88		28.75	✓
	697.00	702.00		1	5.00	1.75	3.55	2.65		13.25	✓
	702.00	717.00		1	15.00	3.55	3.00	3.28		49.13	✓
	717.00	732.00		1	15.00	3.00	2.80	2.90		43.50	✓
	732.00	747.00		1	15.00	2.80	2.00	2.40		36.00	✓
	747.00	754.00		1	7.00	2.00	1.60	1.80		12.60	✓
	754.00	769.00		1	15.00	1.60	2.80	2.20		33.00	✓
	769.00	784.00		1	15.00	2.80	2.50	2.65		39.75	✓
	784.00	792.00		1	8.00	2.50	1.95	2.23		17.80	✓
792.00	802.80		1	10.80	1.95	1.55	1.75		18.90	11/9/20	
	Tack Coat For BC										
	7th Cross Road (Mandi Mariyappa Palya)										
	1.00	15.00		1	14.00	3.60	3.55	3.58		50.05	✓
	15.00	28.00		1	13.00	3.55	3.62	3.59		46.61	✓
	3rd Main Road Mariyappa Reddy										
C4R C/S 23/9/20	0.00	15.00		1	15.00	4.20	4.85	4.53		67.88	✓
	15.00	30.00		1	15.00	4.85	5.30	5.08		76.14	✓
	30.00	45.00		1	15.00	5.30	6.60	5.95		89.27	✓
	45.00	60.00		1	15.00	6.60	6.45	6.53		97.88	✓
	60.00	75.00		1	15.00	6.45	6.25	6.35		95.25	✓
	75.00	90.00		1	15.00	6.25	9.30	7.78		116.63	✓
	90.00	105.00		1	15.00	9.30	8.80	9.05		135.75	✓
	105.00	120.00		1	15.00	8.80	10.50	9.65		144.75	✓
	120.00	135.00		1	15.00	10.50	9.60	10.05		150.75	✓
	135.00	150.00		1	15.00	9.60	6.30	7.95		119.25	✓
	150.00	165.00		1	15.00	6.30	7.50	6.90		103.50	✓
	165.00	180.00		1	15.00	7.50	8.60	8.05		120.75	✓
	180.00	195.00		1	15.00	8.60	7.15	7.88		118.13	✓
	195.00	210.00		1	15.00	7.15	7.25	7.20		108.00	✓
210.00	225.00		1	15.00	7.25	7.50	7.38		110.63	✓	

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	225.00	240.00		1	15.00	7.50	6.15	6.83		102.38	✓
	240.00	255		1	15.00	6.15	5.60	5.88		88.13	✓
	255.00	260.00		1	5.00	5.60	11.10	8.35		41.75	✓
	260.00	266.00		1	6.00	11.10	11.15	11.13		66.75	✓
	266.00	270.00		1	4.00	11.15	5.50	8.33		33.30	✓
	270.00	285.00		1	15.00	5.50	6.10	5.80		87.00	✓
	285.00	300.00		1	15.00	6.10	7.20	6.65		99.75	✓
	300.00	315.00		1	15.00	7.20	7.10	7.15		107.25	✓
	315.00	330.00		1	15.00	7.10	8.50	7.80		117.00	✓
	330.00	345.00		1	15.00	8.50	8.15	8.33		124.88	✓
	345.00	360.00		1	15.00	8.15	8.10	8.13		121.88	✓
	360.00	375.00		1	15.00	8.10	8.00	8.05		120.75	✓
	375.00	390.00		1	15.00	8.00	9.40	8.70		130.50	✓
	390.00	405.00		1	15.00	9.40	9.40	9.40		141.00	✓
	405.00	420.00		1	15.00	9.40	7.40	8.40		126.00	✓
	420.00	435.00		1	15.00	7.40	8.80	8.10		121.50	✓
	435.00	450.00		1	15.00	8.80	8.40	8.60		129.00	✓
	450.00	465.00		1	15.00	8.40	8.25	8.33		124.88	✓
	465.00	480.00		1	15.00	8.25	9.90	9.08		136.13	✓
	480.00	495.00		1	15.00	9.90	8.40	9.15		137.25	✓
	495.00	510.00		1	15.00	8.40	7.40	7.90		118.50	✓
	510.00	525.00		1	15.00	7.40	8.40	7.90		118.50	✓
	525.00	540.00		1	15.00	8.40	9.45	8.93		133.88	✓
	540.00	555.00		1	15.00	9.45	8.60	9.03		135.38	✓
	555.00	570.00		1	15.00	8.60	9.00	8.80		132.00	✓
	570.00	585.00		1	15.00	9.00	9.15	9.08		136.13	✓
	585.00	600.00		1	15.00	9.15	8.85	9.00		135.00	✓
	600.00	615.00		1	15.00	8.85	8.60	8.73		130.88	✓
	615.00	630.00		1	15.00	8.60	8.45	8.53		127.88	✓
	630.00	645.00		1	15.00	8.45	9.15	8.80		132.00	✓
	645.00	660.00		1	15.00	9.15	8.60	8.88		133.13	✓
	660.00	675.00		1	15.00	8.60	8.65	8.63		129.38	✓
	675.00	690.00		1	15.00	8.65	8.25	8.45		126.75	✓
	690.00	705.00		1	15.00	8.25	8.60	8.43		126.38	✓
	705.00	720.00		1	15.00	8.60	8.75	8.68		130.13	✓
	720.00	735.00		1	15.00	8.75	8.50	8.63		129.38	✓

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BMP Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	735.00	750.00		1	15.00	8.50	8.50	8.50		127.50	✓
	750.00	765.00		1	15.00	8.50	8.50	8.50		127.50	✓
	765.00	772.50		1	7.50	8.50	9.10	8.80		66.00	✓
	3rd Main Road Mariyanna Palya Continue From (Himagiri Complex)- Road										
	0.00	10.00		1	10.00	9.00	9.80	9.40		94.00	✓
	10.00	15.00		1	5.00	9.80	9.60	9.70		48.50	✓
	15.00	30.00		1	15.00	9.60	9.10	9.35		140.25	✓
	30.00	45.00		1	15.00	9.10	8.25	8.68		130.13	✓
	45.00	60.00		1	15.00	8.25	9.05	8.65		129.75	✓
	60.00	73.00		1	13.00	9.05	9.00	9.03		117.33	✓
	73.00	79.00		1	6.00	9.00	8.60	8.80		52.80	✓
	79.00	90.00		1	11.00	8.60	8.00	8.30		91.30	✓
	90.00	105.00		1	15.00	8.00	6.40	7.20		108.00	✓
	105.00	120.00		1	15.00	6.40	5.10	5.75		86.25	✓
	120.00	135.00		1	15.00	5.10	5.50	5.30		79.50	✓
	135.00	150.00		1	15.00	5.50	5.50	5.50		82.50	✓
	150.00	165.00		1	15.00	5.50	5.50	5.50		82.50	✓
	165.00	180.00		1	15.00	5.50	5.70	5.60		84.00	✓
	180.00	195.00		1	15.00	5.70	5.75	5.73		85.88	✓
	195.00	210.00		1	15.00	5.75	5.80	5.78		86.63	✓
	210.00	225.00		1	15.00	5.80	5.10	5.45		81.75	✓
							Total Quantity		11,606.34	Sqm	✓



Contractor



Consultants

Amulya N.D
Assistant Engineer

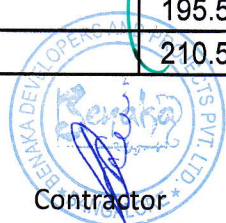
C.D
Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
29	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.165 of I.No.21.17.6 in PW,P&IWTD S.R 2016-17)										
	For DBM										
	7th Cross Road (Mandi Mariyappa Palya)										
	1.00	15.00		1	14.00	3.60	3.55	3.58	0.05	2.50	
	15.00	28.00		1	13.00	3.55	3.62	3.59	0.05	2.33	
	Road Cut Portion										
	3rd Main Road (Mandi Mariyappa Reddy Road)										
	0.00	15.00		1	15.00	3.50	3.40	3.45	0.05	2.59	
	15.00	30.00		1	15.00	3.40	4.85	4.13	0.05	3.09	
	30.00	33.50		1	3.50	4.85	4.85	4.85	0.05	0.85	
	33.50	45.00		1	11.50	4.85	1.85	3.35	0.05	1.93	
	45.00	53.50		1	8.50	1.85	3.24	2.55	0.05	1.08	
	53.50	57.00		1	3.50	3.24	4.35	3.80	0.05	0.66	
	57.00	66.00		1	9.00	4.35	3.95	4.15	0.05	1.87	
	66.00	74.00		1	8.00	3.95	4.10	4.03	0.05	1.61	
	74.00	75.50		1	1.50	4.10	9.00	6.55	0.05	0.49	
	75.50	93.00		1	17.50	9.00	9.00	9.00	0.05	7.88	
	93.00	93.50		1	0.50	9.00	6.00	7.50	0.05	0.19	
	93.50	108.50		1	15.00	6.00	8.00	7.00	0.05	5.25	
	108.50	117.50		1	9.00	8.00	8.00	8.00	0.05	3.60	
	117.50	132.50		1	15.00	8.00	9.20	8.60	0.05	6.45	
	132.50	138.50		1	6.00	9.20	9.20	9.20	0.05	2.76	
	138.50	153.50		1	15.00	9.20	9.00	9.10	0.05	6.83	
	153.50	168.50		1	15.00	9.00	8.50	8.75	0.05	6.56	
	168.50	180.50		1	12.00	8.50	7.00	7.75	0.05	4.65	
	180.50	195.50		1	15.00	7.00	6.00	6.50	0.05	4.88	
	195.50	210.50		1	15.00	6.00	5.50	5.75	0.05	4.31	
	210.50	225.00		1	14.50	5.50	3.50	4.50	0.05	3.26	



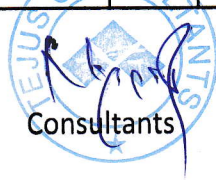
M. H. N. D.
Assistant Engineer

75.61
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	225.00	229.00		1	4.00	3.50	5.20	4.35	0.05	0.87	✓
	229.00	230.00		1	1.00	5.20	3.20	4.20	0.05	0.21	✓
	230.00	245.00		1	15.00	3.20	3.60	3.40	0.05	2.55	✓
	245.00	260.00		1	15.00	3.60	4.00	3.80	0.05	2.85	✓
	260.00	280.00		1	20.00	4.00	4.70	4.35	0.05	4.35	✓
	280.00	295.00		1	15.00	4.70	3.80	4.25	0.05	3.19	✓
	295.00	310.00		1	15.00	3.80	3.50	3.65	0.05	2.74	✓
	310.00	325.00		1	15.00	3.50	3.30	3.40	0.05	2.55	✓
	325.00	340.00		1	15.00	3.30	3.00	3.15	0.05	2.36	✓
	340.00	344.00		1	4.00	3.00	5.00	4.00	0.05	0.80	✓
	344.00	348.00		1	4.00	5.00	3.10	4.05	0.05	0.81	✓
	348.00	363.00		1	15.00	3.10	3.00	3.05	0.05	2.29	✓
	363.00	372.50		1	9.50	3.00	3.00	3.00	0.05	1.43	✓
	372.50	381.70		1	9.20	3.00	5.40	4.20	0.05	1.93	✓
	381.70	398.00		1	16.30	5.40	2.10	3.75	0.05	3.06	✓
	398.00	400.00		1	2.00	2.10	5.75	3.93	0.05	0.39	✓
	400.00	415.00		1	15.00	5.75	5.60	5.68	0.05	4.26	✓
	415.00	430.00		1	15.00	5.60	5.50	5.55	0.05	4.16	✓
	430.00	445.00		1	15.00	5.50	3.00	4.25	0.05	3.19	✓
	445.00	454.00		1	9.00	3.00	1.90	2.45	0.05	1.10	✓
	454.00	456.00		1	2.00	1.90	4.85	3.38	0.05	0.34	✓
	456.00	473.00		1	17.00	4.85	2.05	3.45	0.05	2.93	✓
	473.00	475.00		1	2.00	2.05	6.20	4.13	0.05	0.41	✓
	475.00	490.00		1	15.00	6.20	5.50	5.85	0.05	4.39	✓
	490.00	505.00		1	15.00	5.50	1.80	3.65	0.05	2.74	✓
	505.00	514.00		1	9.00	1.80	3.15	2.48	0.05	1.11	✓
	514.00	516.00		1	2.00	3.15	6.65	4.90	0.05	0.49	✓
	516.00	533.00		1	17.00	6.65	1.85	4.25	0.05	3.61	✓
	533.00	538.00		1	5.00	1.85	6.80	4.33	0.05	1.08	✓
	538.00	543.00		1	5.00	6.80	3.65	5.23	0.05	1.31	✓
	543.00	546.00		1	3.00	3.65	1.58	2.62	0.05	0.39	✓
	546.00	549.00		1	3.00	1.58	4.65	3.12	0.05	0.47	✓
	549.00	564.00		1	15.00	4.65	4.30	4.48	0.05	3.36	✓
	564.00	579.00		1	15.00	4.30	4.00	4.15	0.05	3.11	✓
	579.00	594.00		1	15.00	4.00	3.00	3.50	0.05	2.63	✓
	594.00	601.00		1	7.00	3.00	1.92	2.46	0.05	0.86	✓



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
1.2 15/9/20	601.00	604.00		1	3.00	1.92	4.70	3.31	0.05	0.50	✓
	604.00	619.00		1	15.00	4.70	2.15	3.43	0.05	2.57	✓
	619.00	623.00		1	4.00	2.15	3.35	2.75	0.05	0.55	✓
	623.00	640.00		1	17.00	3.35	1.85	2.60	0.05	2.21	✓
	640.00	642.00		1	2.00	1.85	8.40	5.13	0.05	0.51	✓
	642.00	657.00		1	15.00	8.40	8.00	8.20	0.05	6.15	✓
	657.00	672.00		1	15.00	8.00	6.00	7.00	0.05	5.25	✓
	672.00	687.00		1	15.00	6.00	4.00	5.00	0.05	3.75	✓
	687.00	697.00		1	10.00	4.00	1.75	2.88	0.05	1.44	✓
	697.00	702.00		1	5.00	1.75	3.55	2.65	0.05	0.66	✓
	702.00	717.00		1	15.00	3.55	3.00	3.28	0.05	2.46	✓
	717.00	732.00		1	15.00	3.00	2.80	2.90	0.05	2.18	✓
	732.00	747.00		1	15.00	2.80	2.00	2.40	0.05	1.80	✓
	747.00	754.00		1	7.00	2.00	1.60	1.80	0.05	0.63	✓
	754.00	769.00		1	15.00	1.60	2.80	2.20	0.05	1.65	✓
769.00	784.00		1	15.00	2.80	2.50	2.65	0.05	1.99	✓	
784.00	792.00		1	8.00	2.50	1.95	2.23	0.05	0.89	36.12 ✓	
792.00	802.80		1	10.80	1.95	1.55	1.75	0.05	0.94	15/9/20 ✓	
								Total Qty	186.04	Cum	✓



Asst. Eng. N.D.
Assistant Engineer

Asst. Eng. N.D.
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Bruhat Bengaluru Mahanagara Palike												
Bytarayanapura Division												
Job Code :-												
Name of Agency :- Benaka Developers & Project Pvt.Ltd.												
Bill No :- 4th & Part Bill												
Package No.02 (Package consists of 14 works).												
Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura												
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage				B1	B2	Avg width					
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTDR SR 2016-17)											
	Qty vide Pre measurement sheet page no. (3)								294.25			
	Present Qty to be Paid								294.25	Cu-m	217.12	63,887.56
6	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTDR SR 2016-17)											
	Qty vide Pre measurement sheet page no. (5)								314.10			
	Present Qty to be Paid								314.10	Sq-m	86.20	27,075.42
7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTDR SR 2016-17)											
	Qty vide Pre measurement sheet page no. (7)								732.60			
	Present Qty to be Paid								732.60	Sq-m	712.28	5,21,816.33
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTDR S.R 2016-17)											
	Qty vide Pre measurement sheet page no. (10)								1,116.24			
	Present Qty to be Paid								1,116.24	Cum	176.29	1,96,781.95
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTDR SR 2016-17)											
	Qty vide Pre measurement sheet page no. (13)								855.78			16,19,007.00
	Present Qty to be Paid								855.78	Cum	1,891.85	16,19,014.96
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTDR SR 2016-17)											
	Qty vide Pre measurement sheet page no. (16)								3,720.80			
	Present Qty to be Paid								3,720.80	Sq-m	29.49	1,09,726.39



Asst. N.D.
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Div
B&M.P, Bangalore

Package No.02 (Package consists of 14 works).												
Name Of work : - Package No.02 (Package consists of 14 works). Improvements and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward no.7, Byatarayanapura												
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage				B1	B2	Avg width					
27	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)											
	Qty vide Pre measurement sheet page no. (19)								4164.74			
	Present Qty to be Paid								4164.74	Sqm	3.40	14,160.10
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)											
	Qty vide Pre measurement sheet page no. (24)								11606.34			
	Present Qty to be Paid								11,606.34	Sqm	13.61	1,57,962.22
29	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.165 of I.No.21.17.6 in PW,P&IWTD S.R 2016-17)											
	Qty vide Pre measurement sheet page no. (27)								186.04			
	Present Qty to be Paid								186.04	Cum	7,618.42	14,17,330.86
Measurement Recorded on												
30	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)											
7th Cross Road (Mandi Mariyappa Palya)												
	1.00	15.00		1	14.00	3.60	3.55	3.58	0.04	2.00		
	15.00	28.00		1	13.00	3.55	3.62	3.59	0.04	1.86		
3rd Main Road Mariyappa Reddy												
	0.00	15.00		1	15.00	4.20	4.85	4.53	0.04	2.72		
	15.00	30.00		1	15.00	4.85	5.30	5.08	0.04	3.05		
	30.00	45.00		1	15.00	5.30	6.60	5.95	0.04	3.57		
	45.00	60.00		1	15.00	6.60	6.45	6.53	0.04	3.92		
	60.00	75.00		1	15.00	6.45	6.25	6.35	0.04	3.81		
	75.00	90.00		1	15.00	6.25	9.30	7.78	0.04	4.67		
	90.00	105.00		1	15.00	9.30	8.80	9.05	0.04	5.43		
	105.00	120.00		1	15.00	8.80	10.50	9.65	0.04	5.79		
	120.00	135.00		1	15.00	10.50	9.60	10.05	0.04	6.03		
	135.00	150.00		1	15.00	9.60	6.30	7.95	0.04	4.77		



Contractor

Consultants

M. N. D.
Assistant Engineer

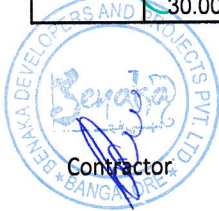
Assistant Executive Engineer

Kodigehalli Sub
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage					B1	B2	Avg width					
121	150.00	165.00		1	15.00	6.30	7.50	6.90	0.04	4.14	/		
	165.00	180.00		1	15.00	7.50	8.60	8.05	0.04	4.83	/		
	180.00	195.00		1	15.00	8.60	7.15	7.88	0.04	4.73	/		
	195.00	210.00		1	15.00	7.15	7.25	7.20	0.04	4.32	/		
	210.00	225.00		1	15.00	7.25	7.50	7.38	0.04	4.43	/		
	225.00	240.00		1	15.00	7.50	6.15	6.83	0.04	4.10	/		
	240.00	255.00		1	15.00	6.15	5.60	5.88	0.04	3.53	/		
	255.00	260.00		1	5.00	5.60	11.10	8.35	0.04	1.67	/		
	260.00	266.00		1	6.00	11.10	11.15	11.13	0.04	2.67	/		
	266.00	270.00		1	4.00	11.15	5.50	8.33	0.04	1.33	/		
	270.00	285.00		1	15.00	5.50	6.10	5.80	0.04	3.48	/		
	285.00	300.00		1	15.00	6.10	7.20	6.65	0.04	3.99	/		
	300.00	315.00		1	15.00	7.20	7.10	7.15	0.04	4.29	/		
	315.00	330.00		1	15.00	7.10	8.50	7.80	0.04	4.68	/		
	330.00	345.00		1	15.00	8.50	8.15	8.33	0.04	5.00	/		
	345.00	360.00		1	15.00	8.15	8.10	8.13	0.04	4.88	/		
	360.00	375.00		1	15.00	8.10	8.00	8.05	0.04	4.83	/		
	375.00	390.00		1	15.00	8.00	9.40	8.70	0.04	5.22	/		
	390.00	405.00		1	15.00	9.40	9.40	9.40	0.04	5.64	/		
	405.00	420.00		1	15.00	9.40	7.40	8.40	0.04	5.04	/		
	420.00	435.00		1	15.00	7.40	8.80	8.10	0.04	4.86	/		
	435.00	450.00		1	15.00	8.80	8.40	8.60	0.04	5.16	/		
	450.00	465.00		1	15.00	8.40	8.25	8.33	0.04	5.00	/		
	465.00	480.00		1	15.00	8.25	9.90	9.08	0.04	5.45	/		
	480.00	495.00		1	15.00	9.90	8.40	9.15	0.04	5.49	/		
	495.00	510.00		1	15.00	8.40	7.40	7.90	0.04	4.74	/		
	510.00	525.00		1	15.00	7.40	8.40	7.90	0.04	4.74	/		
	525.00	540.00		1	15.00	8.40	9.45	8.93	0.04	5.36	/		
	540.00	555.00		1	15.00	9.45	8.60	9.03	0.04	5.42	/		
	555.00	570.00		1	15.00	8.60	9.00	8.80	0.04	5.28	/		
570.00	585.00		1	15.00	9.00	9.15	9.08	0.04	5.45	/			
585.00	600.00		1	15.00	9.15	8.85	9.00	0.04	5.40	/			
600.00	615.00		1	15.00	8.85	8.60	8.73	0.04	5.24	/			
615.00	630.00		1	15.00	8.60	8.45	8.53	0.04	5.12	/			
630.00	645.00		1	15.00	8.45	9.15	8.80	0.04	5.28	/			
645.00	660.00		1	15.00	9.15	8.60	8.88	0.04	5.33	/			
660.00	675.00		1	15.00	8.60	8.65	8.63	0.04	5.18	/			
675.00	690.00		1	15.00	8.65	8.25	8.45	0.04	5.07	/			
690.00	705.00		1	15.00	8.25	8.60	8.43	0.04	5.06	/			
705.00	720.00		1	15.00	8.60	8.75	8.68	0.04	5.21	/			
720.00	735.00		1	15.00	8.75	8.50	8.63	0.04	5.18	/			
735.00	750.00		1	15.00	8.50	8.50	8.50	0.04	5.10	/			
750.00	765.00		1	15.00	8.50	8.50	8.50	0.04	5.10	/			
765.00	772.50		1	7.50	8.50	9.10	8.80	0.04	2.64	/			
3rd Main Road Mariyanna Palya Continue From (Himagiri Complex)- Road													
0.00	10.00		1	10.00	9.00	9.80	9.40	0.04	3.76	/			
10.00	15.00		1	5.00	9.80	9.60	9.70	0.04	1.94	/			
15.00	30.00		1	15.00	9.60	9.10	9.35	0.04	5.61	/			
30.00	45.00		1	15.00	9.10	8.25	8.68	0.04	5.21	/			



Assistant Engineer

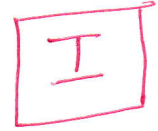
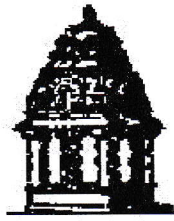
Assistant Executive Engineer
Kodigehalli Sub Division
BRMP, Bangalore

Name Of work : - Package No.02 (Package consists of 14 works). Improvements to roads and drains OF Mandi MARIYAPPA Road via Mariyannapalya to Dasarahalli Main Road in Ward No.7,Byatarayanapura

70,06; 354,89



Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BMP, Bangalore



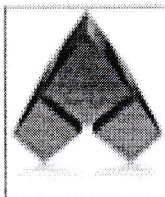
BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Package No.02 (Package consists of 14 works).

Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura

4th & PART BILL

MEASUREMENT BOOK



TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS

No.58 MIG, 6th Cross, 3rd Main

1st Stage, Basaveshwaranagar

Bangalore-560079

☎ 080 - 23287532

email: tejusconsultants@gmail.com

Bruhat Bengaluru Mahanagara Palike											
Bytarayanapura Division											
Job Code :-											
Name of Agency :- Benaka Developers & Project Pvt.Ltd.											
Bill No :- 4th & Part Bill											
Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Coffe board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&I WTD SR 2016-17)										
Desilt											
St Antony Church Road											
(From Coffe Board Layout Park End)											
LHS											
	0.00	90.00	L/S	1	90.00					---	No Work
	90.00	105.00	L/S	1	15.00			0.50	0.50	3.75	✓
	105.00	120.00	L/S	1	15.00			0.50	0.50	3.75	✓
	120.00	135.00	L/S	1	15.00			0.50	0.50	3.75	✓
	135.00	150.00	L/S	1	15.00			0.50	0.50	3.75	✓
	150.00	165.00	L/S	1	15.00			0.50	0.50	3.75	✓
	165.00	180.00	L/S	1	15.00			0.50	0.50	3.75	✓
	180.00	195.00	L/S	1	15.00			0.50	0.50	3.75	✓
	195.00	210.00	L/S	1	15.00			0.50	0.50	3.75	✓
	210.00	225.00	L/S	1	15.00			0.50	0.50	3.75	✓
	225.00	240.00	L/S	1	15.00			0.50	0.50	3.75	✓
	240.00	255.00	L/S	1	15.00			0.50	0.50	3.75	✓
	255.00	270.00	L/S	1	15.00			0.50	0.50	3.75	✓
	270.00	285.00	L/S	1	15.00			0.50	0.50	3.75	✓
	285.00	300.00	L/S	1	15.00			0.50	0.50	3.75	✓
	300.00	315.00	L/S	1	15.00			0.50	0.50	3.75	✓
	315.00	330.00	L/S	1	15.00			0.50	0.50	3.75	✓
	330.00	345.00	L/S	1	15.00			0.50	0.50	3.75	✓
	345.00	360.00	L/S	1	15.00			0.50	0.50	3.75	✓
	360.00	375.00	L/S	1	15.00			0.50	0.50	3.75	✓
	375.00	390.00	L/S	1	15.00			0.50	0.50	3.75	✓
	390.00	405.00	L/S	1	15.00			0.50	0.50	3.75	✓
	405.00	420.00	L/S	1	15.00			0.50	0.50	3.75	✓
	420.00	440.00	L/S	1	20.00			0.50	0.50	5.00	✓
RHS											
	0.00	13.00	R/S	1	13.00			0.50	0.50	3.25	✓
	13.00	126.00	R/S	1	113.00			---	---	---	No Work
	126.00	141.00	R/S	1	15.00			0.50	0.50	3.75	✓
	141.00	156.00	R/S	1	15.00			0.50	0.50	3.75	✓
	156.00	165.00	R/S	1	9.00			0.50	0.50	2.25	✓
	165.00	190.00	R/S	1	25.00			---	---	---	No Work

Contractor

Consultant

Assistant Engineer

100.5
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7, Byatarayanapura

No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	190.00	205.00	R/S	1	15.00			0.50	0.50	3.75	✓
	205.00	220.00	R/S	1	15.00			0.50	0.50	3.75	✓
	220.00	235.00	R/S	1	15.00			0.50	0.50	3.75	✓
	235.00	250.00	R/S	1	15.00			0.50	0.50	3.75	✓
	250.00	265.00	R/S	1	15.00			0.50	0.50	3.75	✓
	265.00	280.00	R/S	1	15.00			0.50	0.50	3.75	✓
	280.00	295.00	R/S	1	15.00			0.50	0.50	3.75	✓
	295.00	310.00	R/S	1	15.00			0.50	0.50	3.75	✓
	310.00	325.00	R/S	1	15.00			0.50	0.50	3.75	✓
	325.00	340.00	R/S	1	15.00			0.50	0.50	3.75	✓
	340.00	355.00	R/S	1	15.00			0.50	0.50	3.75	✓
	355.00	370.00	R/S	1	15.00			0.50	0.50	3.75	✓
	370.00	385.00	R/S	1	15.00			0.50	0.50	3.75	✓
	385.00	400.00	R/S	1	15.00			0.50	0.50	3.75	✓
	400.00	415.00	R/S	1	15.00			0.50	0.50	3.75	✓
	415.00	430.00	R/S	1	15.00			0.50	0.50	3.75	✓
	430.00	445.00	R/S	1	15.00			0.50	0.50	3.75	✓
	445.00	460.00	R/S	1	15.00			0.50	0.50	3.75	✓
	460.00	470.00	R/S	1	10.00			0.50	0.50	2.50	✓
	470.00	485.00	R/S	1	15.00			0.50	0.50	3.75	✓
	485.00	500.00	R/S	1	15.00			0.50	0.50	3.75	✓
	500.00	515.00	R/S	1	15.00			0.50	0.50	3.75	✓
	515.00	530.00	R/S	1	15.00			0.50	0.50	3.75	✓
	530.00	545.00	R/S	1	15.00			0.50	0.50	3.75	✓
	545.00	560.00	R/S	1	15.00			0.50	0.50	3.75	✓
	560.00	570.00	R/S	1	10.00			0.50	0.50	2.50	10/8/
										95	
								Total Quantity		195.50	Cu-m



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Div
BBMP, Bangalore

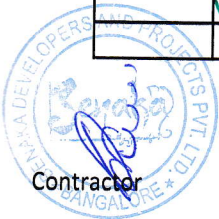
Consultant

Assistant Executive Engineer
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).

Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7, Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&I WTD SR 2016-17)										
	B.S Drain										
	St Antony Chaurch Road										
	(From Coffe Board Layout Park End)										
	LHS										
	0.00	90.00	L/S	1	90.00			---	---	---	No Work
	90.00	105.00	L/S	1	8.00			1.80		14.40	
	105.00	120.00	L/S	1	7.00			1.80		12.60	
	135.00	150.00	L/S	1	10.00			1.80		18.00	
	150.00	165.00	L/S	1	5.00			1.80		9.00	
	165.00	180.00	L/S	1	8.00			1.80		14.40	
	210.00	225.00	L/S	1	8.00			1.80		14.40	
	225.00	240.00	L/S	1	6.00			1.80		10.80	
	240.00	255.00	L/S	1	7.00			1.80		12.60	
	255.00	270.00	L/S	1	7.00			1.80		12.60	
	285.00	300.00	L/S	1	5.00			1.80		9.00	
	300.00	315.00	L/S	1	4.00			1.80		7.20	
	315.00	330.00	L/S	1	9.00			1.80		16.20	
	330.00	345.00	L/S	1	5.00			1.80		9.00	
	360.00	375.00	L/S	1	7.00			1.80		12.60	
	390.00	405.00	L/S	1	6.00			1.80		10.80	
	405.00	420.00	L/S	1	8.00			1.80		14.40	
	420.00	440.00	L/S	1	10.00			1.80		18.00	
	RHS										
	0.00	13.00	R/S	1	7.00			1.80		12.60	
	13.00	126.00	R/S	1	113.00			---	---	---	No Work
	126.00	141.00	R/S	1	8.00			1.80		14.40	
	141.00	156.00	R/S	1	7.00			1.80		12.60	
	156.00	165.00	R/S	1	10.00			1.80		18.00	
	165.00	190.00	R/S	1	25.00			---	---	---	No Work
	190.00	205.00	R/S	1	4.00			1.80		7.20	
	205.00	220.00	R/S	1	5.00			1.80		9.00	
	220.00	235.00	R/S	1	9.00			1.80		16.20	
	250.00	265.00	R/S	1	8.00			1.80		14.40	
	280.00	295.00	R/S	1	12.00			1.80		21.60	
	295.00	310.00	R/S	1	7.00			1.80		12.60	
	325.00	340.00	R/S	1	8.00			1.80		14.40	
	355.00	370.00	R/S	1	9.00			1.80		16.20	
	370.00	385.00	R/S	1	7.00			1.80		12.60	
	400.00	415.00	R/S	1	6.00			1.80		10.80	
	415.00	430.00	R/S	1	7.00			1.80		12.60	
	445.00	460.00	R/S	1	8.00			1.80		14.40	
	460.00	470.00	R/S	1	6.00			1.80		10.80	



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BMD Bangalore

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&I WTD S.R 2016-17)										
	Road Work										
	St Antony Church Road										
	(From Coffe Board Layout Park End)										
	0.00	15.00		1	15.00	7.90	12.90	10.40	0.30	46.80	✓
	15.00	30.00		1	15.00	12.90	6.10	9.50	0.30	42.75	✓
	30.00	45.00		1	15.00	6.10	7.35	6.73	0.30	30.26	✓
	45.00	60.00		1	15.00	7.35	6.80	7.08	0.30	31.84	✓
	60.00	75.00		1	15.00	6.80	5.80	6.30	0.30	28.35	✓
	75.00	90.00		1	15.00	5.80	6.60	6.20	0.30	27.90	✓
	90.00	105.00		1	15.00	6.60	9.80	8.20	0.30	36.90	✓
	105.00	120.00		1	15.00	9.80	7.85	8.83	0.30	39.71	✓
	120.00	135.00		1	15.00	7.85	7.30	7.58	0.30	34.09	✓
	135.00	150.00		1	15.00	7.30	7.60	7.45	0.30	33.53	✓
	150.00	165.00		1	15.00	7.60	6.35	6.98	0.30	31.39	✓
	165.00	180.00		1	15.00	6.35	7.15	6.75	0.30	30.38	✓
	180.00	185.00		1	5.00	7.15	10.40	8.78	0.30	13.16	✓
	185.00	190.00		1	5.00	10.40	11.60	11.00	0.30	16.50	✓
	190.00	195.00		1	5.00	11.60	8.80	10.20	0.30	15.30	✓
	195.00	210.00		1	15.00	8.80	6.00	7.40	0.30	33.30	✓
	210.00	225.00		1	15.00	6.00	7.10	6.55	0.30	29.48	✓
	225.00	240.00		1	15.00	7.10	7.20	7.15	0.30	32.18	✓
	240.00	255.00		1	15.00	7.20	7.85	7.53	0.30	33.86	✓
	255.00	270.00		1	15.00	7.85	8.60	8.23	0.30	37.01	✓
	270.00	285.00		1	15.00	8.60	8.75	8.68	0.30	39.04	✓
	285.00	300.00		1	15.00	8.75	7.40	8.08	0.30	36.34	✓
	300.00	315.00		1	15.00	7.40	6.70	7.05	0.30	31.73	✓
	315.00	330.00		1	15.00	6.70	8.10	7.40	0.30	33.30	✓
	330.00	345.00		1	15.00	8.10	8.00	8.05	0.30	36.23	✓
	345.00	360.00		1	15.00	8.00	8.00	8.00	0.30	36.00	✓
	360.00	375.00		1	15.00	8.00	8.40	8.20	0.30	36.90	✓
	375.00	390.00		1	15.00	8.40	9.60	9.00	0.30	40.50	✓
	390.00	405.00		1	15.00	9.60	9.80	9.70	0.30	43.65	✓
	405.00	420.00		1	15.00	9.80	7.50	8.65	0.30	38.93	✓
	420.00	435.00		1	15.00	7.50	6.30	6.90	0.30	31.05	16/12/20
	435.00	450.00		1	15.00	6.30	7.10	6.70	0.30	30.15	✓
	450.00	465.00		1	15.00	7.10	6.35	6.73	0.30	30.26	✓
	465.00	480.00		1	15.00	6.35	5.70	6.03	0.30	27.11	✓
	480.00	495.00		1	15.00	5.70	8.15	6.93	0.30	31.16	✓
	495.00	510.00		1	15.00	8.15	6.90	7.53	0.30	33.86	✓

Contractor

Consultant

Assistant Engineer

 Assistant Executive Engineer
 Assistant Executive Engineer
 Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	510.00	525.00		1	15.00	6.90	6.10	6.50	0.30	29.25	
	525.00	540.00		1	15.00	6.10	5.95	6.03	0.30	27.11	
	540.00	555.00		1	15.00	5.95	6.00	5.98	0.30	26.89	
	555.00	570.00		1	15.00	6.00	5.50	5.75	0.30	25.88	
	570.00	587.50		1	17.50	5.50	6.35	5.93	0.30	31.11	
	Cross Road St Antony Charch Road										
	0.00	15.00		1	15.00	6.65	6.75	6.70	0.30	30.15	
	15.00	30.00		1	15.00	6.75	7.15	6.95	0.30	31.28	
	30.00	45.00		1	15.00	7.15	7.40	7.28	0.30	32.74	
	45.00	60.00		1	15.00	7.40	6.30	6.85	0.30	30.83	
	60.00	75.00		1	15.00	6.30	6.00	6.15	0.30	27.68	
	75.00	90.00		1	15.00	6.00	5.50	5.75	0.30	25.88	
	90.00	105.00		1	15.00	5.50	5.45	5.48	0.30	24.64	
	105.00	120.00		1	15.00	5.45	6.10	5.78	0.30	25.99	
	120.00	135.00		1	15.00	6.10	6.70	6.40	0.30	28.80	
	135.00	139.50		1	4.50	6.70	6.60	6.65	0.30	8.98	
	139.50	140.50		1	1.00				0.30	0.00	No Work
	140.50	143.50		1	3.00	7.60	7.60	7.60	0.30	6.84	



Assistant Engineer

Assistant Executive Engineer
Assistant Executive Eng
Kadiamballi Sub Divis

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density,complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Road Work										
	St Antony Church Road										
	(From Coffe Board Layout Park End)										
	0.00	15.00		1	15.00	7.90	12.90	10.40	0.23	35.88	
	15.00	30.00		1	15.00	12.90	6.10	9.50	0.23	32.78	
	30.00	45.00		1	15.00	6.10	7.35	6.73	0.23	23.20	
	45.00	60.00		1	15.00	7.35	6.80	7.08	0.23	24.41	
	60.00	75.00		1	15.00	6.80	5.80	6.30	0.23	21.74	
	75.00	90.00		1	15.00	5.80	6.60	6.20	0.23	21.39	
	90.00	105.00		1	15.00	6.60	9.80	8.20	0.23	28.29	
	105.00	120.00		1	15.00	9.80	7.85	8.83	0.23	30.45	
	120.00	135.00		1	15.00	7.85	7.30	7.58	0.23	26.13	
	135.00	150.00		1	15.00	7.30	7.60	7.45	0.23	25.70	
	150.00	165.00		1	15.00	7.60	6.35	6.98	0.23	24.06	
	165.00	180.00		1	15.00	6.35	7.15	6.75	0.23	23.29	
	180.00	185.00		1	5.00	7.15	10.40	8.78	0.23	10.09	
	185.00	190.00		1	5.00	10.40	11.60	11.00	0.23	12.65	
	190.00	195.00		1	5.00	11.60	8.80	10.20	0.23	11.73	
	195.00	210.00		1	15.00	8.80	6.00	7.40	0.23	25.53	
	210.00	225.00		1	15.00	6.00	7.10	6.55	0.23	22.60	
	225.00	240.00		1	15.00	7.10	7.20	7.15	0.23	24.67	
	240.00	255.00		1	15.00	7.20	7.85	7.53	0.23	25.96	
	255.00	270.00		1	15.00	7.85	8.60	8.23	0.23	28.38	
	270.00	285.00		1	15.00	8.60	8.75	8.68	0.23	29.93	
	285.00	300.00		1	15.00	8.75	7.40	8.08	0.23	27.86	
	300.00	315.00		1	15.00	7.40	6.70	7.05	0.23	24.32	17/8
	315.00	330.00		1	15.00	6.70	8.10	7.40	0.23	25.53	
	330.00	345.00		1	15.00	8.10	8.00	8.05	0.23	27.77	
	345.00	360.00		1	15.00	8.00	8.00	8.00	0.23	27.60	
	360.00	375.00		1	15.00	8.00	8.40	8.20	0.23	28.29	
	375.00	390.00		1	15.00	8.40	9.60	9.00	0.23	31.05	
	390.00	405.00		1	15.00	9.60	9.80	9.70	0.23	33.47	
	405.00	420.00		1	15.00	9.80	7.50	8.65	0.23	29.84	
	420.00	435.00		1	15.00	7.50	6.30	6.90	0.23	23.81	
	435.00	450.00		1	15.00	6.30	7.10	6.70	0.23	23.12	
	450.00	465.00		1	15.00	7.10	6.35	6.73	0.23	23.20	
	465.00	480.00		1	15.00	6.35	5.70	6.03	0.23	20.79	
	480.00	495.00		1	15.00	5.70	8.15	6.93	0.23	23.89	
	495.00	510.00		1	15.00	8.15	6.90	7.53	0.23	25.96	



Assistant Engineer

Assistant Executive Engineer
Assistant Executive Eng
Kodigehalli Sub Division
BBMP, Bangalore

905.33

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
	510.00	525.00		1	15.00	6.90	6.10	6.50	0.23	22.43	✓
	525.00	540.00		1	15.00	6.10	5.95	6.03	0.23	20.79	✓
	540.00	555.00		1	15.00	5.95	6.00	5.98	0.23	20.61	✓
	555.00	570.00		1	15.00	6.00	5.50	5.75	0.23	19.84	✓
	570.00	587.50		1	17.50	5.50	6.35	5.93	0.23	23.85	✓
Cross Road St Antony Charch Road											
	0.00	15.00		1	15.00	6.65	6.75	6.70	0.23	23.12	✓
	15.00	30.00		1	15.00	6.75	7.15	6.95	0.23	23.98	✓
	30.00	45.00		1	15.00	7.15	7.40	7.28	0.23	25.10	✓
	45.00	60.00		1	15.00	7.40	6.30	6.85	0.23	23.63	✓
	60.00	75.00		1	15.00	6.30	6.00	6.15	0.23	21.22	✓
	75.00	90.00		1	15.00	6.00	5.50	5.75	0.23	19.84	✓
	90.00	105.00		1	15.00	5.50	5.45	5.48	0.23	18.89	✓
	105.00	120.00		1	15.00	5.45	6.10	5.78	0.23	19.92	✓
	120.00	135.00		1	15.00	6.10	6.70	6.40	0.23	22.08	✓
	135.00	139.50		1	4.50	6.70	6.60	6.65	0.23	6.88	✓
	139.50	140.50		1	1.00	0.00	0.00	0.00	0.23	0.00	✓
	140.50	143.50		1	3.00	7.60	7.60	7.60	0.23	5.24	✓
Total Quantity									1,222.75	Cum	



Asst. Engr. N.D.
Assistant Engineer

G.P.
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Coffee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&I WTD SR 2016-17)										
	Road Work										
	St Antony Church Road										
	(From Coffe Board Layout Park End)										
	0.00	15.00		1	15.00	7.90	12.90	10.40		156.00	
	15.00	30.00		1	15.00	12.90	6.10	9.50		142.50	
	30.00	45.00		1	15.00	6.10	7.35	6.73		100.88	
	45.00	60.00		1	15.00	7.35	6.80	7.08		106.13	
	60.00	75.00		1	15.00	6.80	5.80	6.30		94.50	
	75.00	90.00		1	15.00	5.80	6.60	6.20		93.00	
	90.00	105.00		1	15.00	6.60	9.80	8.20		123.00	
	105.00	120.00		1	15.00	9.80	7.85	8.83		132.38	
	120.00	135.00		1	15.00	7.85	7.30	7.58		113.63	
	135.00	150.00		1	15.00	7.30	7.60	7.45		111.75	
	150.00	165.00		1	15.00	7.60	6.35	6.98		104.63	
	165.00	180.00		1	15.00	6.35	7.15	6.75		101.25	
	180.00	185.00		1	5.00	7.15	10.40	8.78		43.88	
	185.00	190.00		1	5.00	10.40	11.60	11.00		55.00	
	190.00	195.00		1	5.00	11.60	8.80	10.20		51.00	
	195.00	210.00		1	15.00	8.80	6.00	7.40		111.00	
	210.00	225.00		1	15.00	6.00	7.10	6.55		98.25	
	225.00	240.00		1	15.00	7.10	7.20	7.15		107.25	
	240.00	255.00		1	15.00	7.20	7.85	7.53		112.88	
	255.00	270.00		1	15.00	7.85	8.60	8.23		123.38	
	270.00	285.00		1	15.00	8.60	8.75	8.68		130.13	
	285.00	300.00		1	15.00	8.75	7.40	8.08		121.13	
	300.00	315.00		1	15.00	7.40	6.70	7.05		105.75	
	315.00	330.00		1	15.00	6.70	8.10	7.40		111.00	
	330.00	345.00		1	15.00	8.10	8.00	8.05		120.75	
	345.00	360.00		1	15.00	8.00	8.00	8.00		120.00	
	360.00	375.00		1	15.00	8.00	8.40	8.20		123.00	
	375.00	390.00		1	15.00	8.40	9.60	9.00		135.00	
	390.00	405.00		1	15.00	9.60	9.80	9.70		145.50	
	405.00	420.00		1	15.00	9.80	7.50	8.65		129.75	
	420.00	435.00		1	15.00	7.50	6.30	6.90		103.50	
	435.00	450.00		1	15.00	6.30	7.10	6.70		100.50	
	450.00	465.00		1	15.00	7.10	6.35	6.73		100.88	
	465.00	480.00		1	15.00	6.35	5.70	6.03		90.38	
	480.00	495.00		1	15.00	5.70	8.15	6.93		103.88	
	495.00	510.00		1	15.00	8.15	6.90	7.53		112.88	



M. M. N. D.
Assistant Engineer

3936.25
g
Assistant Executive Engineer
Assistant Executive
Kodigehalli Sub D
BBMP, Bangal

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	510.00	525.00		1	15.00	6.90	6.10	6.50		97.50	✓
	525.00	540.00		1	15.00	6.10	5.95	6.03		90.38	✓
	540.00	555.00		1	15.00	5.95	6.00	5.98		89.63	✓
	555.00	570.00		1	15.00	6.00	5.50	5.75		86.25	✓
	570.00	587.50		1	17.50	5.50	6.35	5.93		103.69	✓
	Cross Road St Antony Charch Road										
	0.00	15.00		1	15.00	6.65	6.75	6.70		100.50	✓
	15.00	30.00		1	15.00	6.75	7.15	6.95		104.25	✓
	30.00	45.00		1	15.00	7.15	7.40	7.28		109.13	✓
	45.00	60.00		1	15.00	7.40	6.30	6.85		102.75	✓
	60.00	75.00		1	15.00	6.30	6.00	6.15		92.25	✓
	75.00	90.00		1	15.00	6.00	5.50	5.75		86.25	✓
	90.00	105.00		1	15.00	5.50	5.45	5.48		82.13	✓
	105.00	120.00		1	15.00	5.45	6.10	5.78		86.63	✓
	120.00	135.00		1	15.00	6.10	6.70	6.40		96.00	✓
	135.00	139.50		1	4.50	6.70	6.60	6.65		29.93	✓
	139.50	140.50		1	1.00	0.00	0.00	0.00		0.00	✓
	140.50	143.50		1	3.00	7.60	7.60	7.60		22.80	✓
		</									



M. M. U. N. D.
Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BMP Bangalore

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&I WTD SR of 2016-17)										
	Road Work										
	Tack Coat For DBM										
	St Antony Chaurch Road										
	(From Coffe Board Layout Park End)										
	0.00	15.00		1	15.00	7.90	12.90	10.40		156.00	
	15.00	30.00		1	15.00	12.90	6.10	9.50		142.50	
	30.00	45.00		1	15.00	6.10	7.35	6.73		100.88	
	45.00	60.00		1	15.00	7.35	6.80	7.08		106.13	
	60.00	75.00		1	15.00	6.80	5.80	6.30		94.50	
	75.00	90.00		1	15.00	5.80	6.60	6.20		93.00	
	90.00	105.00		1	15.00	6.60	9.80	8.20		123.00	
	105.00	120.00		1	15.00	9.80	7.85	8.83		132.38	
	120.00	135.00		1	15.00	7.85	7.30	7.58		113.63	
	135.00	150.00		1	15.00	7.30	7.60	7.45		111.75	
	150.00	165.00		1	15.00	7.60	6.35	6.98		104.63	
	165.00	180.00		1	15.00	6.35	7.15	6.75		101.25	
	180.00	185.00		1	5.00	7.15	10.40	8.78		43.88	
	185.00	190.00		1	5.00	10.40	11.60	11.00		55.00	
	190.00	195.00		1	5.00	11.60	8.80	10.20		51.00	
	195.00	210.00		1	15.00	8.80	6.00	7.40		111.00	
	210.00	225.00		1	15.00	6.00	7.10	6.55		98.25	
	225.00	240.00		1	15.00	7.10	7.20	7.15		107.25	
	240.00	255.00		1	15.00	7.20	7.85	7.53		112.88	
	255.00	270.00		1	15.00	7.85	8.60	8.23		123.38	
	270.00	285.00		1	15.00	8.60	8.75	8.68		130.13	
	285.00	300.00		1	15.00	8.75	7.40	8.08		121.13	
	300.00	315.00		1	15.00	7.40	6.70	7.05		105.75	
	315.00	330.00		1	15.00	6.70	8.10	7.40		111.00	
	330.00	345.00		1	15.00	8.10	8.00	8.05		120.75	
	345.00	360.00		1	15.00	8.00	8.00	8.00		120.00	
	360.00	375.00		1	15.00	8.00	8.40	8.20		123.00	
	375.00	390.00		1	15.00	8.40	9.60	9.00		135.00	
	390.00	405.00		1	15.00	9.60	9.80	9.70		145.50	
	405.00	420.00		1	15.00	9.80	7.50	8.65		129.75	
	420.00	435.00		1	15.00	7.50	6.30	6.90		103.50	
	435.00	450.00		1	15.00	6.30	7.10	6.70		100.50	
	450.00	465.00		1	15.00	7.10	6.35	6.73		100.88	
	465.00	480.00		1	15.00	6.35	5.70	6.03		90.38	
	480.00	495.00		1	15.00	5.70	8.15	6.93		103.88	
	495.00	510.00		1	15.00	8.15	6.90	7.53		112.88	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Eng

Kodigehalli Sub Divisi

BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7, Byatarayanapura

No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
Pre-Measurements Recorded on:-											
	510.00	525.00		1	15.00	6.90	6.10	6.50		97.50	✓
	525.00	540.00		1	15.00	6.10	5.95	6.03		90.38	✓
	540.00	555.00		1	15.00	5.95	6.00	5.98		89.63	✓
	555.00	570.00		1	15.00	6.00	5.50	5.75		86.25	✓
	570.00	587.50		1	17.50	5.50	6.35	5.93		103.69	✓
										0.00	✓
Cross Road St Antony Charch Road											
	0.00	15.00		1	15.00	6.65	6.75	6.70		100.50	✓
	15.00	30.00		1	15.00	6.75	7.15	6.95		104.25	✓
	30.00	45.00		1	15.00	7.15	7.40	7.28		109.13	✓
	45.00	60.00		1	15.00	7.40	6.30	6.85		102.75	✓
	60.00	75.00		1	15.00	6.30	6.00	6.15		92.25	✓
	75.00	90.00		1	15.00	6.00	5.50	5.75		86.25	✓
	90.00	105.00		1	15.00	5.50	5.45	5.48		82.13	✓
	105.00	120.00		1	15.00	5.45	6.10	5.78		86.63	✓
	120.00	135.00		1	15.00	6.10	6.70	6.40		96.00	✓
	135.00	139.50		1	4.50	6.70	6.60	6.65		29.93	✓
	139.50	140.50		1	1.00	0.00	0.00	0.00		0.00	✓
	140.50	143.50		1	3.00	7.60	7.60	7.60		22.80	✓
Tack Coat For BC											
St Antony Charch Road											
(From Coffe Board Layout Park End)											
	0.00	15.00		1	15.00	7.90	12.90	10.40		156.00	✓
	15.00	30.00		1	15.00	12.90	6.10	9.50		142.50	✓
	30.00	45.00		1	15.00	6.10	7.35	6.73		100.88	✓
	45.00	60.00		1	15.00	7.35	6.80	7.08		106.13	✓
	60.00	75.00		1	15.00	6.80	5.80	6.30		94.50	✓
	75.00	90.00		1	15.00	5.80	6.60	6.20		93.00	✓
	90.00	105.00		1	15.00	6.60	9.80	8.20		123.00	✓
	105.00	120.00		1	15.00	9.80	7.85	8.83		132.38	✓
	120.00	135.00		1	15.00	7.85	7.30	7.58		113.63	✓
	135.00	150.00		1	15.00	7.30	7.60	7.45		111.75	✓
	150.00	165.00		1	15.00	7.60	6.35	6.98		104.63	✓
	165.00	180.00		1	15.00	6.35	7.15	6.75		101.25	✓
	180.00	185.00		1	5.00	7.15	10.40	8.78		43.88	✓
	185.00	190.00		1	5.00	10.40	11.60	11.00		55.00	✓
	190.00	195.00		1	5.00	11.60	8.80	10.20		51.00	✓
	195.00	210.00		1	15.00	8.80	6.00	7.40		111.00	✓
	210.00	225.00		1	15.00	6.00	7.10	6.55		98.25	✓
	225.00	240.00		1	15.00	7.10	7.20	7.15		107.25	✓
	240.00	255.00		1	15.00	7.20	7.85	7.53		112.88	✓
	255.00	270.00		1	15.00	7.85	8.60	8.23		123.38	✓
	270.00	285.00		1	15.00	8.60	8.75	8.68		130.13	✓
	285.00	300.00		1	15.00	8.75	7.40	8.08		121.13	✓

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigeballi Sub Division

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
	300.00	315.00		1	15.00	7.40	6.70	7.05		105.75	✓
	315.00	330.00		1	15.00	6.70	8.10	7.40		111.00	✓
	330.00	345.00		1	15.00	8.10	8.00	8.05		120.75	✓
	345.00	360.00		1	15.00	8.00	8.00	8.00		120.00	✓
	360.00	375.00		1	15.00	8.00	8.40	8.20		123.00	✓
	375.00	390.00		1	15.00	8.40	9.60	9.00		135.00	✓
	390.00	405.00		1	15.00	9.60	9.80	9.70		145.50	✓
	405.00	420.00		1	15.00	9.80	7.50	8.65		129.75	✓
	420.00	435.00		1	15.00	7.50	6.30	6.90		103.50	✓
	435.00	450.00		1	15.00	6.30	7.10	6.70		100.50	✓
	450.00	465.00		1	15.00	7.10	6.35	6.73		100.88	✓
	465.00	480.00		1	15.00	6.35	5.70	6.03		90.38	✓
	480.00	495.00		1	15.00	5.70	8.15	6.93		103.88	✓
	495.00	510.00		1	15.00	8.15	6.90	7.53		112.88	✓
	510.00	525.00		1	15.00	6.90	6.10	6.50		97.50	✓
	525.00	540.00		1	15.00	6.10	5.95	6.03		90.38	✓
	540.00	555.00		1	15.00	5.95	6.00	5.98		89.63	✓
	555.00	570.00		1	15.00	6.00	5.50	5.75		86.25	✓
	570.00	587.50		1	17.50	5.50	6.35	5.93		103.69	✓
	Cross Road St Antony Charch Road										
	0.00	15.00		1	15.00	6.65	6.75	6.70		100.50	✓
	15.00	30.00		1	15.00	6.75	7.15	6.95		104.25	✓
	30.00	45.00		1	15.00	7.15	7.40	7.28		109.13	✓
	45.00	60.00		1	15.00	7.40	6.30	6.85		102.75	✓
	60.00	75.00		1	15.00	6.30	6.00	6.15		92.25	✓
	75.00	90.00		1	15.00	6.00	5.50	5.75		86.25	✓
	90.00	105.00		1	15.00	5.50	5.45	5.48		82.13	✓
	105.00	120.00		1	15.00	5.45	6.10	5.78		86.63	✓
	120.00	135.00		1	15.00	6.10	6.70	6.40		96.00	✓
	135.00	139.50		1	4.50	6.70	6.60	6.65		29.93	✓
	139.50	140.50		1	1.00	0.00	0.00	0.00		0.00	✗
	140.50	143.50		1	3.00	7.60	7.60	7.60		22.80	7/10/20



Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).											
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Coffee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura											
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	Pre-Measurements Recorded on:-										
29	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.165 of I.No.21.17.6 in PW,P&I WTD S.R 2016-17)										
	Road Work										
	For DBM										
	St Antony Chaurch Road										
	(From Coffe Board Layout Park End)										
	0.00	15.00		1	15.00	7.90	12.90	10.40	0.05	7.80 ✓	
	15.00	30.00		1	15.00	12.90	6.10	9.50	0.05	7.13 ✓	
	30.00	45.00		1	15.00	6.10	7.35	6.73	0.05	5.04 ✓	
	45.00	60.00		1	15.00	7.35	6.80	7.08	0.05	5.31 ✓	
	60.00	75.00		1	15.00	6.80	5.80	6.30	0.05	4.73 ✓	
	75.00	90.00		1	15.00	5.80	6.60	6.20	0.05	4.65 ✓	
	90.00	105.00		1	15.00	6.60	9.80	8.20	0.05	6.15 ✓	
	105.00	120.00		1	15.00	9.80	7.85	8.83	0.05	6.62 ✓	
	120.00	135.00		1	15.00	7.85	7.30	7.58	0.05	5.68 ✓	
	135.00	150.00		1	15.00	7.30	7.60	7.45	0.05	5.59 ✓	
	150.00	165.00		1	15.00	7.60	6.35	6.98	0.05	5.23 ✓	
	165.00	180.00		1	15.00	6.35	7.15	6.75	0.05	5.06 ✓	
	180.00	185.00		1	5.00	7.15	10.40	8.78	0.05	2.19 ✓	
	185.00	190.00		1	5.00	10.40	11.60	11.00	0.05	2.75 ✓	
	190.00	195.00		1	5.00	11.60	8.80	10.20	0.05	2.55 ✓	
	195.00	210.00		1	15.00	8.80	6.00	7.40	0.05	5.55 ✓	
	210.00	225.00		1	15.00	6.00	7.10	6.55	0.05	4.91 ✓	
	225.00	240.00		1	15.00	7.10	7.20	7.15	0.05	5.36 ✓	
	240.00	255.00		1	15.00	7.20	7.85	7.53	0.05	5.64 ✓	
	255.00	270.00		1	15.00	7.85	8.60	8.23	0.05	6.17 ✓	
	270.00	285.00		1	15.00	8.60	8.75	8.68	0.05	6.51 ✓	
	285.00	300.00		1	15.00	8.75	7.40	8.08	0.05	6.06 ✓	
	300.00	315.00		1	15.00	7.40	6.70	7.05	0.05	5.29 ✓	
	315.00	330.00		1	15.00	6.70	8.10	7.40	0.05	5.55 ✓	
	330.00	345.00		1	15.00	8.10	8.00	8.05	0.05	6.04 ✓	
	345.00	360.00		1	15.00	8.00	8.00	8.00	0.05	6.00 ✓	
	360.00	375.00		1	15.00	8.00	8.40	8.20	0.05	6.15 ✓	
	375.00	390.00		1	15.00	8.40	9.60	9.00	0.05	6.75 ✓	
	390.00	405.00		1	15.00	9.60	9.80	9.70	0.05	7.28 ✓	
	405.00	420.00		1	15.00	9.80	7.50	8.65	0.05	6.49 ✓	
	420.00	435.00		1	15.00	7.50	6.30	6.90	0.05	5.18 ✓	
	435.00	450.00		1	15.00	6.30	7.10	6.70	0.05	5.03 ✓	
	450.00	465.00		1	15.00	7.10	6.35	6.73	0.05	5.04 ✓	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Bruhat Bengaluru Mahanagara Palike												
Bytarayanapura Division												
Job Code :-												
Name of Agency :- Benaka Developers & Project Pvt.Ltd.												
Bill No :- 4th & Part Bill												
Package No.02 (Package consists of 14 works).												
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura												
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage				B1	B2	Avg width					
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)											
	Qty vide Pre measurement sheet page no . (2)								195.50			
	Present Qty to be Paid								195.50	Cu-m	217.12	42,446.96
6	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)											
	Qty vide Pre measurement sheet page no . (3)								226.80			
	Present Qty to be Paid								226.80	Sq-m	86.20	19,550.16
7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc.. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)											
	Qty vide Pre measurement sheet page no . (5)								514.80			
	Present Qty to be Paid								514.80	Sq-m	712.28	3,66,681.74
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)											
	Qty vide Pre measurement sheet page no . (7)								1,594.89			2,81,163.00
	Present Qty to be Paid								1,594.89	Cum	176.29	2,81,162.50
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)											
	Qty vide Pre measurement sheet page no . (9)								1,222.75			23,13,250.00
	Present Qty to be Paid								1,222.75	Cum	1,891.85	23,13,252.26
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)											
	Qty vide Pre measurement sheet page no . (11)								5,316.29			39
	Present Qty to be Paid								5,316.29	Sq-m	29.49	1,56,777.32
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)											

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Div

Package No.02 (Package consists of 14 works).												
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Go board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,By Cofee												
BOQ Item No	Description	Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage				B1	B2	Avg width					
	Qty vide Pre measurement sheet page no . 14								10632.58			
	Present Qnty to be Paid								10,632.58	Sqm	13.61	1,44,709.35
29	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.165 of I.No.21.17.6 in PW,P&IWTD S.R 2016-17)											
	Qty vide Pre measurement sheet page no . (16)								265.81			
	Present Qnty to be Paid								265.81	Cum	7,618.42	20,250 S2. 00 20,25,085.55
	Measurement Recorded on											
30	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)											
	Road Work											
	St Antony Chaurch Road											
	(From Coffe Board Layout Park End)											
	0.00	15.00		1	15.00	7.90	12.90	10.40	0.04	6.24		
	15.00	30.00		1	15.00	12.90	6.10	9.50	0.04	5.70		
	30.00	45.00		1	15.00	6.10	7.35	6.73	0.04	4.04		
	45.00	60.00		1	15.00	7.35	6.80	7.08	0.04	4.25		
	60.00	75.00		1	15.00	6.80	5.80	6.30	0.04	3.78		
	75.00	90.00		1	15.00	5.80	6.60	6.20	0.04	3.72		
	90.00	105.00		1	15.00	6.60	9.80	8.20	0.04	4.92		
	105.00	120.00		1	15.00	9.80	7.85	8.83	0.04	5.30		
	120.00	135.00		1	15.00	7.85	7.30	7.58	0.04	4.55		
	135.00	150.00		1	15.00	7.30	7.60	7.45	0.04	4.47		
	150.00	165.00		1	15.00	7.60	6.35	6.98	0.04	4.19		
	165.00	180.00		1	15.00	6.35	7.15	6.75	0.04	4.05		
	180.00	185.00		1	5.00	7.15	10.40	8.78	0.04	1.76		
	185.00	190.00		1	5.00	10.40	11.60	11.00	0.04	2.20		
	190.00	195.00		1	5.00	11.60	8.80	10.20	0.04	2.04		
	195.00	210.00		1	15.00	8.80	6.00	7.40	0.04	4.44		
	210.00	225.00		1	15.00	6.00	7.10	6.55	0.04	3.93		
	225.00	240.00		1	15.00	7.10	7.20	7.15	0.04	4.29		
	240.00	255.00		1	15.00	7.20	7.85	7.53	0.04	4.52		
	255.00	270.00		1	15.00	7.85	8.60	8.23	0.04	4.94		
	270.00	285.00		1	15.00	8.60	8.75	8.68	0.04	5.21		
	285.00	300.00		1	15.00	8.75	7.40	8.08	0.04	4.85		
	300.00	315.00		1	15.00	7.40	6.70	7.05	0.04	4.23		
	315.00	330.00		1	15.00	6.70	8.10	7.40	0.04	4.44		
	330.00	345.00		1	15.00	8.10	8.00	8.05	0.04	4.83		
	345.00	360.00		1	15.00	8.00	8.00	8.00	0.04	4.80		
	360.00	375.00		1	15.00	8.00	8.40	8.20	0.04	4.92		
	375.00	390.00		1	15.00	8.40	9.60	9.00	0.04	5.40		
	390.00	405.00		1	15.00	9.60	9.80	9.70	0.04	5.82		

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

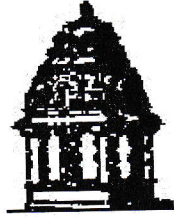
Package No.02 (Package consists of 14 works).													
Name of Work:- Improvements to roads and drains from Bhuvaneshwarinagar Park via Gopalappa Layout to Cofee board Layout Park Road and Surrounding areas (Cubic Apartments Area) in Ward No.7,Byatarayanapura													
BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks	Rate	Amount
	Chainage					B1	B2	Avg width					
	405.00	420.00		1	15.00	9.80	7.50	8.65	0.04	5.19	✓		
	420.00	435.00		1	15.00	7.50	6.30	6.90	0.04	4.14	✓		
	435.00	450.00		1	15.00	6.30	7.10	6.70	0.04	4.02	✓		
	450.00	465.00		1	15.00	7.10	6.35	6.73	0.04	4.04	✓		
	465.00	480.00		1	15.00	6.35	5.70	6.03	0.04	3.62	✓		
	480.00	495.00		1	15.00	5.70	8.15	6.93	0.04	4.16	✓		
	495.00	510.00		1	15.00	8.15	6.90	7.53	0.04	4.52	✓		
	510.00	525.00		1	15.00	6.90	6.10	6.50	0.04	3.90	✓		
	525.00	540.00		1	15.00	6.10	5.95	6.03	0.04	3.62	✓		
	540.00	555.00		1	15.00	5.95	6.00	5.98	0.04	3.59	✓		
	555.00	570.00		1	15.00	6.00	5.50	5.75	0.04	3.45	✓		
	570.00	587.50		1	17.50	5.50	6.35	5.93	0.04	4.15	✓		
Cross Road St Antony Charch Road													
	0.00	15.00		1	15.00	6.65	6.75	6.70	0.04	4.02	✓		
	15.00	30.00		1	15.00	6.75	7.15	6.95	0.04	4.17	✓		
	30.00	45.00		1	15.00	7.15	7.40	7.28	0.04	4.37	✓		
	45.00	60.00		1	15.00	7.40	6.30	6.85	0.04	4.11	✓		
	60.00	75.00		1	15.00	6.30	6.00	6.15	0.04	3.69	✓		
	75.00	90.00		1	15.00	6.00	5.50	5.75	0.04	3.45	✓		
	90.00	105.00		1	15.00	5.50	5.45	5.48	0.04	3.29	✓		
	105.00	120.00		1	15.00	5.45	6.10	5.78	0.04	3.47	✓		
	120.00	135.00		1	15.00	6.10	6.70	6.40	0.04	3.84	✓		
	135.00	139.50		1	4.50	6.70	6.60	6.65	0.04	1.20	✓		
	139.50	140.50		1	1.00	0.00	0.00	0.00	0.04	0.00	✓		
	140.50	143.50		1	3.00	7.60	7.60	7.60	0.04	0.91	✓		
Total Quantity										212.65	Cum	8,686.84	18,47,269.56
Measurement Recorded on													
36	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)												
Road Work													
St Antony Chaurch Road													
(From Coffe Board Layout Park End)													
	Edge Line			2	587.50			0.10		117.5	✓		
	Center Line			0.50	587.50			0.10		29.375	✓		
Cross Road St Antony Charch Road													
	Edge Line			2	143.50			0.10		28.7	✓		
	Center Line			0.50	143.50			0.10		7.175	✓		
Total Quantity										182.75	Sq-m	580.71	1,06,124.75
Grand Total													73,03,060.14



M. N. D.
Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division



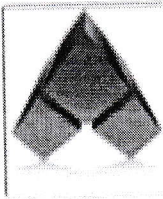
**BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION**

Package No.02 (Package consists of 14 works).

**Name Of work: - Construction of Two RO plant in
ward no. 07 Byatarayanapura**

4th & PART BILL

MEASUREMENT BOOK



**TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS**

**No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079**

☎ 080 - 23287532

email: tejusconsultants@gmail.com

Package No.02 (Package consists of 14 works).

Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura

Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
90	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2016-17							
	Columns		4	1.20	1.20	0.15	0.86	
	Foundation							
	Long Wall		2	5.45	0.90	0.15	1.47	
	Short Wall		2	3.00	0.90	0.15	0.81	
	Deduction(-)		-4	0.23	0.23	0.15	-0.04	17/10/2020
						Total Qty	3.10	Cum



Asst. Engr. N.D.
Assistant Engineer

Asst. Engr. N.D.
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura

Sl. No.	Description of work	Side	No.	Length	Breadth	Depth	Quantity	Unit
				m	m	m		
	Pre-Measurements Recorded on							
91	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23 / Item No. 5.6 / PWD SR 2016-17							
	Foundation							
	Long Wall		2	5.30	0.75	0.60	4.77	
	Short Wall		2	3.15	0.75	0.60	2.83	
	Deduction(-)		-4	0.23	0.23	0.60	-0.13	
					Total Qty		7.47	Cum



M. M. N. D.
Assistant Engineer

G. S. A.
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).								
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura								
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
92	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23 / Item No. 5.9 / PWD SR 2015-16							
	Foundation							
	Long Wall		2	5.00	0.45	0.45	2.02	
	Short Wall		2	3.45	0.45	0.45	1.39	
	Deduction(-)		-4	0.23	0.23	0.45	-0.10	22-10-2020
						Total Qty	3.31	Cum



Abhijit . N . D .
Assistant Engineer

CPS
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
B.M.P. Bangalore

Package No.02 (Package consists of 14 works).								
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura								
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
	Pre-Measurements Recorded on							
93	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 (P.6/I.2.10) PWD SR 2016-17							
	Qty Vide Item No. 89		1				18.91	
	Qty Vide Item No. 90		-1				-3.10	
	Column Footing		-1				-2.59	
	Column Below Ground Level		-1				-0.25	
							Total Qty	12.97
								Cum



Abhinav N.D.
Assistant Engineer

GSD
Assistant Executive Engineer
Assistant Executive Engineer

Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura


Contractor



Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura

Sl. No.	Description of work	Side	No.	Length	Breadth	Depth	Quantity	Unit
				m	m	m		
	Pre-Measurements Recorded on							
96	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplasticiser @ 0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 14 / Item No. 4.19 / PWD SR 2016-17							
	Chajja		1	1.20	0.20	0.15	0.03	Sqm
					Total Qty		0.03	Sqm



Contractor



Consultant

Mou. N.D.
Assistant Engineer

G.N.D.
Assistant Executive Engineer
Assistant Executive Eng
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).**Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura**

Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
97	KSRB 4.9.1: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17 / Item No. 4.46.2 / PWD SR 2016-17 - FE 500							
	F1 (1200 X 1200) mm	4						
	16 mm Dia Main Bars	4	10	1.50		1.58	94.81	
	16 mm Dia Distribution Bars	4	10	1.50		1.58	94.81	16/10/2020
	Column Below Plinth Beam							
	C (230 X 230)mm	4						
	Main Bars @16mm Dia	4	4	1.20		1.58	30.34	
	Distribution Bars @ 8mm Dia	4	6	0.90		0.40	8.53	21/10/2020
	Plinth Beam							
	PB1	2						
	12 mm dia @ Top	2	2	4.45		0.89	15.82	
	16 mm dia @ Bottom	2	2	4.45		1.58	28.13	
	Distribution Bars @ 8mm Dia	2	22	0.90		0.40	15.64	
	PB2	2						
	12 mm dia @ Top	2	2	5.08		0.89	18.06	
	16 mm dia @ Bottom	2	2	5.08		1.58	32.11	
	Distribution Bars @ 8mm Dia	2	25	0.90		0.40	17.78	21/10/2020
	Column Above Plinth Beam							
	C (230 X 230)mm	4						
	Main Bars @16mm Dia	4	4	2.70		1.58	68.27	
	Distribution Bars @ 8mm Dia	4	14	0.90		0.40	19.91	
	Roof Beam							
	RB1	2						
	12 mm dia @ Top	2	2	4.45		0.89	15.82	
	16 mm dia @ Bottom	2	2	4.45		1.58	28.13	
	Distribution Bars @ 8mm Dia	2	22	0.90		0.40	15.64	
	RB2	2						
	12 mm dia @ Top	2	2	5.08		0.89	18.06	
	16 mm dia @ Bottom	2	2	5.08		1.58	32.11	
	Distribution Bars @ 8mm Dia	2	25	0.90		0.40	17.78	04/11/2020
	Slab Including Projection							
	Main Bars 10mm @150 c/c	1	37	4.37		0.62	99.81	



Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

K. J. Sub Division

Package No.02 (Package consists of 14 works).

Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura

Sl. No.	Description of work	Side	No.	Length	Breadth	Depth	Quantity	Unit
				m	m	m		
	Pre-Measurements Recorded on							
	Ditribution Bars 8mm @ 150 c/c	1	29	5.60		0.40	64.16	
	Chajja							
	Main Bars 8mm @150 c/c	1	8	0.20		0.40	0.63	
	Ditribution Bars 8mm @ 150 c/c	1	1	1.20		0.40	0.47	
							736.85	

0.74



B. H. N. D.
Assistant Engineer

G. P.
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).**Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura**

Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
98	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.31/ PWD SR 2016-17							
	Column Below Ground Level		4	0.92		1.20	4.41	
	Plinth		2	16.90		0.20	6.76	
	Column Above Ground Level		4	0.92		2.70	9.93	21/10/2020
	Lintels		2	3.59		0.15	1.07	
			2	1.50		0.15	0.45	
	Roof Beam		2	16.90		0.30	10.14	
	Roof		1	4.70	4.05		19.03	04/11/2020
	Projection		1	4.05	0.60		2.43	
	Sides		2	4.70		0.15	1.41	
			2	4.05		0.15	1.21	
							56.84	Sq-m



Contractor



Consultant

M. M. Y. A. D.

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Package No.02 (Package consists of 14 works).**Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura**

Sl. No.	Description of work	Side	No.	Length	Breadth	Depth	Quantity	Unit
				m	m	m		
	Pre-Measurements Recorded on							
99	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16 / Item No. 4.37 / PWD SR 2016-17							
			1	4.50	0.60		2.70	
					Total Qty		2.70	Sqm



Abhijit N.D.
Assistant Engineer

CyB
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).								
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura								
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
ELECTRIFICATION								
112	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A (Page No. 05, Item No.2.1 KPWD SR 2014-15. b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch		2				2.00	Point
113	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch		2				2.00	Point

c & A
C/D
12/1/20



A. M. N. D.
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).								
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura								
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
114	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete (Page No. 03, Item No. 1.6) KPWD SR 2014-15, (1.6.5) 4"x4"x3" (101x101x76mm)		12 ✓				12.00 ✓	Each
115	(1.6.1) 12"x12"x3" (300x300x76mm)		6				6.00	Each
116	(1.6.3) 10"x7"x3" (254x178x76mm)		6 ✓				6.00	Each

c4 AC
C/PO
12/11/20



Amulya N.D.
Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BRMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura

Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
117	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws. (Page No. 17, Item No. 3.9) KPWD SR 2014-15							
			30	80.00	2.00		4,800.00	
			15	60.00	2.00		1,800.00	
						Total Qty	6600	SqCM



A. M. U. N. D.
Assistant Engineer

C. P. D.
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bengaluru

Package No.02 (Package consists of 14 works).								
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura								
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
118	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall (Page No. 03, Item No.1.7.1) KPWD SR 2014-15		10				10.00	Mtr

C & F
GPO
12/11/20



Abhij. N. D.
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bengaluru

Package No.02 (Package consists of 14 works).								
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura								
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
119	Supplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (Page No. 02, Item No. 1.3.1) KPWD SR 2014-15		10				10.00	Mtr



Contractor



Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive
Kodigehalli Sub D
BMR, Banga

Package No.02 (Package consists of 14 works).								
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura								
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
122	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP - A 1.5 sqmm (Page No. 06, Item No. 2.5.2) KPWD SR 2014-15		5				5.00	Mtr



Amey N.D.
Assistant Engineer

CPS
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).

Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura

Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
123	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 60/100 watts 230V GLS lamp. (Page No. 20, Item No. 4.3) KPWD SR 2014-15		4				4.00	Each



Contractor



Consultant

Amulya N.D
Assistant Engineer

QSD
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

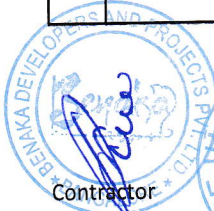
Package No.02 (Package consists of 14 works).								
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura								
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit
Pre-Measurements Recorded on								
124	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (Page No. 55, Item No. 7.1) KPWD SR 2014-15		1				1.00	No



M. N. D.
Assistant Engineer

G. S.
Assistant Executive Engineer
Assistant Executive Eng
Kodigehalli Sub Divisi

BRUHAT BANGALORE MAHANAGARA PALIKE										
Byatarayanapura Division										
Job Code :-										
Name of Agency :- Benaka Developers & Project Pvt.Ltd.										
Bill No :- 4th & Part Bill										
Package No.02 (Package consists of 14 works).										
Name Of work :- Construction of Two RO plant in ward no. 07 Byatarayanapura										
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
	Room For RO Plant									
89	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, Page No. 5 / Item No. 2.3/ PWD SR 2016-17									
	Qty vide Pre measurement sheet page no . (1)						18.91			-13
	Present Qnty to be Paid						18.91	Cum	218.41	4,130.29
90	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2016-17									
	Qty vide Pre measurement sheet page no . (2)						3.10			
	Present Qnty to be Paid						3.10	Cum	5,624.31	17,435.36
91	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23 / Item No. 5.6 / PWD SR 2016-17									
	Qty vide Pre measurement sheet page no . (3)						7.47			
	Present Qnty to be Paid						7.47	Cum	4838.50	36,143.60
92	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23 / Item No. 5.9 / PWD SR 2015-16									
	Qty vide Pre measurement sheet page no . (4)						3.31			
	Present Qnty to be Paid						3.31	Cum	5783.78	19,144.31



Contractor



Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).										
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura										
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
96	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplasticiser @ 0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, curing, complete as per									
	Qty vide Pre measurement sheet page no. (7)						0.03			
	Present Qty to be Paid						0.03	Sqm	526.95	15.81
97	KSRB 4.9.1: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17 / Item No. 4.46.2 / PWD SR 2016-17 - FE 500									
	Qty vide Pre measurement sheet page no. (9)						0.737			59209.00
	Present Qty to be Paid						0.737	Ton	80337.31	59,196.20
98	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.31/ PWD SR 2016-17									
	Qty vide Pre measurement sheet page no. (10)						56.84			
	Present Qty to be Paid						56.84		338.59	19,245.46
99	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16 / Item No. 4.37 / PWD SR 2016-17									
	Qty vide Pre measurement sheet page no. (11)						2.70			
	Present Qty to be Paid						2.70	Sqm	312.01	842.43
100	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.21 / PWD SR -2016-17									
	Ceiling Plastering		1	4.40	3.75		16.50			
	Total Qty						16.50	Sqm	223.03	3,680.00



Contractor

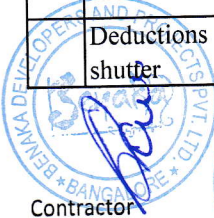


Consultant

Assistant Engineer
N.D.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura											
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.	
101	KSRB 15.3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.19 / PWD SR 2016-17 (Inside wall)										
	Inside wall		2	4.40		3.00	26.40				
			2	3.75		3.00	22.50				
	Deductions - For rolling shutter		-1	3.00		2.10	-6.30				
	Window		-1	1.20		1.20	-1.44				
	Total Qty						41.16	Sqm	270.41	11,130.08	
102	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P. 115 / I. 15.33 PWD SR - 2016-17).								1/6/21		
	Qty Vide Item No. 100+101						57.66				
					16.50	41.16	57.66	Sqm	28.89	1,665.80	
103	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 114 / Item No. 15.17 / PWD SR 2016-17 (Out side Wall)								1/6/21		
	Out Side		2	4.70		3.00	28.20				
			2	4.07		3.00	24.42				
	Parapet Wall		2	4.70		0.90	8.46				
			2	3.75		0.90	6.75				
	Slab Projection bottom		1	4.05	0.60		2.43				
	deduction for RS		-1	3.00		2.10	-6.30				
	Window		-1	1.20		1.20	-1.44				
	Total Qty						62.52	Sqm	228.81	14,305.20	
104	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications PWD SR 2016-17 (P.117 / I. 15.49.1)								1/6/21		
	Qty Vide Item No. 103 102						57.66				
	Inside wall		2	4.40		1.80	15.84				
			2	3.75		1.80	13.50				
	Deductions - For rolling shutter		-1	3.00		1.80	-5.40		87.00		



M. P. N. D.
Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kadigehalli Sub Division

Package No.02 (Package consists of 14 works).										
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura										
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
	Window		-1	1.20		1.20	-1.44			
						Total Qty	80.16	Sqm	82.05	6,577.13
105	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thorough brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications PWD SR 2016-17 (P. 118 / I. 15.53.2) with								1/6/21	
						Qty Vide Item No.16	62.52			
						Total Qty	62.52	Cum	97.07	6,068.82
106	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Page No. 121 / Item No. 15.74 / PWD SR 2016-17								1/6/21	
	Out Side		2	3.60		2.70	19.44			
						Total Qty	19.44	Sqm	94.76	1,842.13
107	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. Page No. 107 / Item No. 14.43 / PWD SR 2016-17								1/6/21	
	Floor Tiles		1	4.57	3.65		16.68			
			2	4.57		1.20	10.96			
			2	3.65		1.20	8.76			
	For Steps									
			1	4.07	0.73		2.97			
			2	0.20	0.20		0.08			
			1	4.07	0.73		2.97			
			2	0.40	0.40		0.32			
	Deduction RS		-1	3.00		1.20	-3.60			
						Total Qty	39.14	Sqm	1375.16	53,823.76

1/6/21



Contractor



Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engi
Kodigehalli Sub Division

Package No.02 (Package consists of 14 works).										
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura										
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
109	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm thick reeded glass with teakwood beading of required size, all steel section should confirm to I.S. 7452:1990, 4nos, of holdfasts of approved size section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenoned and revetted into the frames electrically. All the steel surface shall be thoroughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification NO. KBS 7.12.1 / 7.12.2 / 7.12.3 / 7.12 Page No. 32 / Item No. 7.7/ PWD SR 2015-16									
			1	1.20		1.20	1.44			
						Total Qty	1.44	Sqm	4079.27	5,874.15
110	KSRB: 7.5 Providing and fixing pull and push type rolling shutters of approved make out of 18 gauge, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & operations complete Including pulling hooks, 4nos handles with hall fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8m Specification NO. KBS 7.10 / 7.12 Page No. 31 / Item No. 7.5/								116121	
			1	3.00		1.20	3.60			
						Total Qty	3.60	Sqm	3307.33	11,906.39
	ELECTRIFICATION									
112	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A (Page No. 05, Item No.2.1 KPWD SR 2014-15. b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch								116121	
	Qty vide Pre measurement sheet page no .						2.00			

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Package No.02 (Package consists of 14 works).										
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura										
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
	Present Qnty to be Paid						2.00	Point	262.2	524.30
113	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch									
	Qty vide Pre measurement sheet page no .						2.00			
	Present Qnty to be Paid						2.00	Point	388.4	776.82
114	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete (Page No. 03, Item No. 1.6) KPWD SR 2014-15, (1.6.5) 4"x4"x3" (101x101x76mm)									
	Qty vide Pre measurement sheet page no .						12.00			
	Present Qnty to be Paid						12.00	Each	72.8	873.12
115	(1.6.1) 12"x12"x3" (300x300x76mm)									
	Qty vide Pre measurement sheet page no .						6.00			
	Present Qnty to be Paid						6.00	Each	124.1	744.72
116	(1.6.3) 10"x7"x3" (254x178x76mm)									
	Qty vide Pre measurement sheet page no .						6.00			
	Present Qnty to be Paid						6.00	Each	93.1	558.54
117	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws. (Page No. 17, Item No. 3.9) KPWD SR 2014-15									
	Qty vide Pre measurement sheet page no .						6,600.00			
	Present Qnty to be Paid						6,600.00	SqCM	0.27	1,782.00
118	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall (Page No. 03, Item No.1.7.1) KPWD SR 2014-15									
	Qty vide Pre measurement sheet page no .						10.00			
	Present Qnty to be Paid						10.00	Mtr	22.5	224.70
119	Supplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (Page No. 02, Item No. 1.3.1) KPWD SR 2014-15									
	Qty vide Pre measurement sheet page no .						10.00			
	Present Qnty to be Paid						10.00	Mtr	59.9	599.20



Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Package No.02 (Package consists of 14 works).											
Name Of work : - Construction of Two RO plant in ward no. 07 Byatarayanapura											
Sl. No.	Description of work	Side	No.	Length m	Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.	
120	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps. (Page No. 20, Item No. 4.2) KPWD SR 2014-15										
			2				2.00	Each	94.2	188.32	
121	Supplying patti type fluorescent tube light fitting of 2' - suitable for 14 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast, locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC. Supply including T5 lamp. (Page No. 20, Item No. 4.5) KPWD SR 2014-15										
			2				2.00	Each	632.4	1,264.74	
122	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 1.5 sqmm (Page No. 06, Item No. 2.5.2) KPWD SR 2014-15										
	Qty vide Pre measurement sheet page no .						5.00				
	Present Qty to be Paid						5.00	Mtr	19.9	99.50	
123	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 60/100 watts 230V GLS lamp. (Page No. 20, Item No. 4.3) KPWD SR 2014-15										
	Qty vide Pre measurement sheet page no .						4.00				
	Present Qty to be Paid						4.00	Each	799.39	3,197.16	
124	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (Page No. 55, Item No. 7.1) KPWD										
	Qty vide Pre measurement sheet page no .						1.00				
	Present Qty to be Paid						1.00	No	2917.9	2,917.89	
									Grand Total	4,00,761.29	

12/11/21
400773.84

Contractor



Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore